

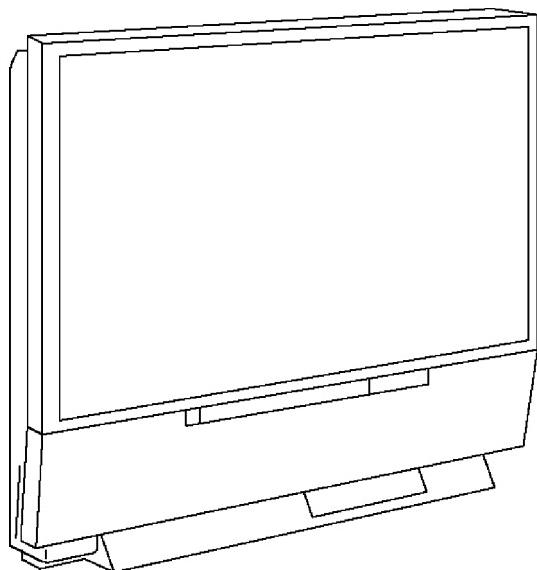
ORDER NO. ITD0210030C1

B02

Service Manual

DLP™ Technology-Based Projection TV

**PT-52DL52
LR2 chassis**



SPECIFICATIONS

Specification

Power Source:	AC 120 V, 60 Hz	
Power Consumption:	Average use: 310 W Stand-by condition: 0.65 W (when cooling fan is stopped)	
Display:	52-inch, 16 : 9 aspect ratio	
Screen Size:	45.31 " (1151 mm) (W) x 25.49 " (647.5 mm) (H) x 52 " (1321 mm) (diagonal)	
Sound:		
Speaker	4 Speakers	
Audio Output	30 W [15 W + 15 W] (10 % THD)	
HID Lamp:	200 W HID (High Intensity Discharge) Lamp (recommended replacement period approximately 5000 hours)	
Channel Capability-181:	VHF-12 : UHF-56 : Cable-125	
Accessories Supplied:	Remote control Transmitter EUR7603Z70 R6 (AA) Battery × 2 RGB cable : K1HA30DA0003 DIGITAL IN cable : K1HA24DA0005	
Input signals:		
RGB input	D-SUB 15pin	Analog RGB
AV INPUT 1-4	VIDEO (RCA Pin Jack Type)	1.0 Vp-p (75 Ω)
	S-VIDEO	Y : 1 Vp-p (75 Ω), C : 0.286 Vp-p (75 Ω)
	(not supplied for AV INPUT 3)	
	(Mini DIN 4pin)	
	AUDIO L-R (RCA Pin Jack Type × 2)	0.5 Vrms
COMPONENT VIDEO	Y	1.0 Vp-p (including synchronization)
INPUT 1-2	PB / PR AUDIO L-R (RCA Pin Jack Type × 2)	±0.35 Vp-p 0.5 Vrms
DIGITAL INPUT	DVI 1.0 AUDIO L-R (RCA Pin Jack Type × 2)	24 pin 0.5 Vrms
Output signals:		
AV PROG. OUT	VIDEO (RCA Pin Jack TYPE)	1.0 Vp-p (75 Ω)
	S-VIDEO (Mini DIN 4pin)	Y : 1 Vp-p (75 Ω), C : 0.286 Vp-p (75 Ω)
	AUDIO L-R (RCA Pin Jack Type × 2)	0.5 Vrms
Dimensions (WxDxH):	47.7 " (1211 mm) x 17.7 " (450 mm) x 39.2 " (995 mm)	
Weight (Mass):	108 lbs. (49 kg) Net	

Note:

Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

Trademark Acknowledgements:

- DLP and DMD are registered trademarks of the Texas Instruments.
 - VGA and XGA are trademarks of International Business Machines Corporation.
 - S-VGA is a registered trademark of the Video Electronics Standards Association.
- All other trademarks are the property of the various trademark owners.

Panasonic®



The lightning flash with arrow-head within a triangle is intended to tell that parts inside the product are a risk of electric shock to persons.

WARNING

EYE DAMAGE MAY RESULT FROM DIRECTLY VIEWING THE LIGHT PRODUCED BY THE LAMP USED IN THIS APPARATUS. ALWAYS TURN OFF LAMP BEFORE OPENING COVER. ULTRAVIOLET RADIATION EYE PROTECTION REQUIRED DURING SERVICING.

1. Safety Precautions

1.1. General Guidelines

- 1. It is advisable to insert an isolation transformer in the AC power line before servicing a hot chassis.**
- 2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.**
- 3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations, are properly installed.**
- 4. Before switching the power on, measure the resistance between B + line and cold side chassis ground. Connect the “-” side of an ohmmeter to the B+ line, and the “+” side to chassisground. Each line must have more resistance value than the specified one as**

follows:

B+ line	Minimum Resistance
+31.2 ± 1.5V (PA-Board : L844)	10k Ω
+17.5 ± 1.5V (PA-Board : L854)	10k Ω
-17.5 ± 1.5V (PA-Board : L853)	10k Ω
+2.5 ± 0.5V (DG-Board : TP9101)	1k Ω
+3.3 ± 0.5V (DG-Board : TP9102)	1k Ω
+3.3 ± 0.5V (DG-Board : TP9104)	1k Ω
+2.5 ± 0.5V (DG-Board : TP9105)	1k Ω

5. When the set is not used for a long period of time, unplug the AC power cord plug from the AC line outlet.
6. After servicing make the following leakage current checks to prevent the customer from dangerous electrical shock.

1.2. Leakage Current Cold Check

1. Unplug the AC power cord and short between the two prongs of the AC plug with a jumper wire.
2. Set the power switch of this set to ON position.
3. Measure the resistance value with an ohmmeter between the shorted AC plug and each exposed metallic part of the set cabinet such as screwheads, connectors, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be more than 4 M Ω .
When the exposed metal part does not have a return path to the chassis, the reading must be infinity.

1.3. Leakage Current Hot Check (See [Fig. 1](#))

1. Plug the AC power cord directly into the AC line outlet. Do not use an isolation transformer for this check.
2. Connect the measuring circuit as shown in [Fig. 1](#) . between each exposed metallic part of the set and an earth ground such as a water pipe.

3. Use a high impedance AC voltage meter to measure the voltage across the resistor.
4. Measure the voltage at each exposed metallic part.
5. Reverse the AC plug inserting direction at the AC line outlet and repeat each of the above measurements.
6. The voltage at any point must be less than 0.25Vrms.
7. A leakage current tester (SIMPSON MODEL 228 or the equivalent) may be used to make the hot checks. In this case, the current must be less than $500 \mu A$.
8. If the reading is more than the above value, the set must be repaired and rechecked before it is returned to the customer because of a possibility of an electrical shock.

1.4. Hot-Check Circuit

Prepare the measuring circuit as shown in [Fig. 1](#).

Be sure to use a voltmeter having the performance described in Table 1.

Fig. 1

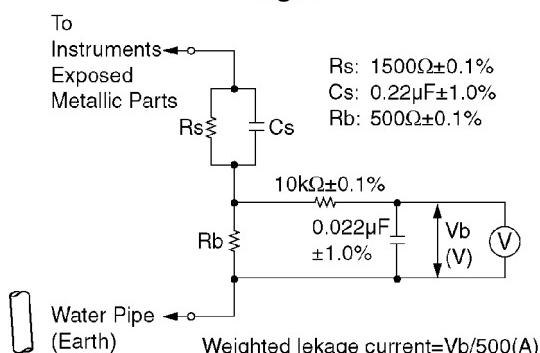


Table 1

	Performance
Voltmeter (rms reading)	Accuracy: $\leq 2\%$ Input resistance: $\geq 1M \Omega$ Input capacitance: $\leq 200pF$ Frequency range: 15Hz to 1MHz

1.5. Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its

- operation, wait until it cools completely when replacing the lamp.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.

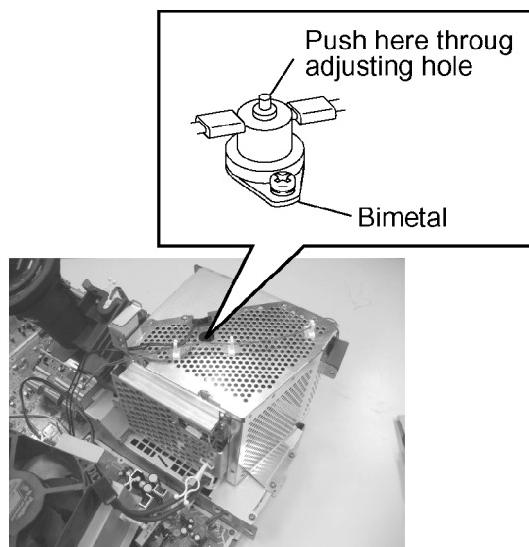
2. Functions for Safety

2.1. Temperature Detection for the Lamp Unit

This projector has the bimetal contacting the lamp unit to project the lamp. If the temperature of the lamp unit exceeds 100°C, the bimetal will operate to turn off the power.

The installed position of the bimetal is shown in the illustration.

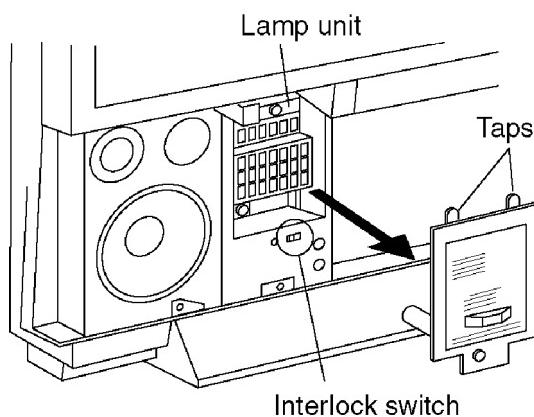
To recover the bimetal from its off state, press the protrusion of the bimetal unit you hear it click.



2.2. Interlock Switch

To ensure safety, this projection TV is designed so that the power cannot be turned on without the Lamp Unit Cover or under its imperfect installation.

If removing the Lamp Unit Cover during the operation of the Projection TV, the power will be turned off.



3. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu). That is Tin (Sn), Silver (Ag) and (Cu) although other types are available. This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

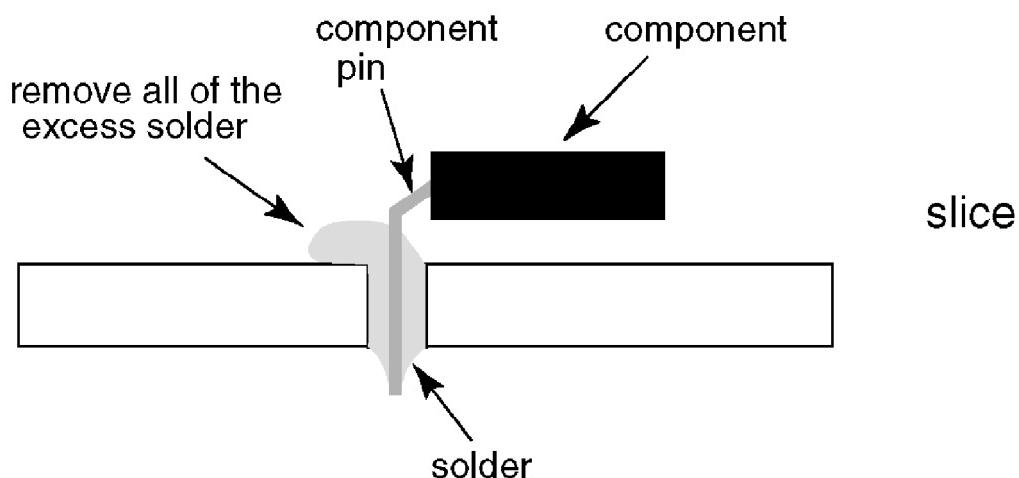
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol



stamped on the back of PCB.

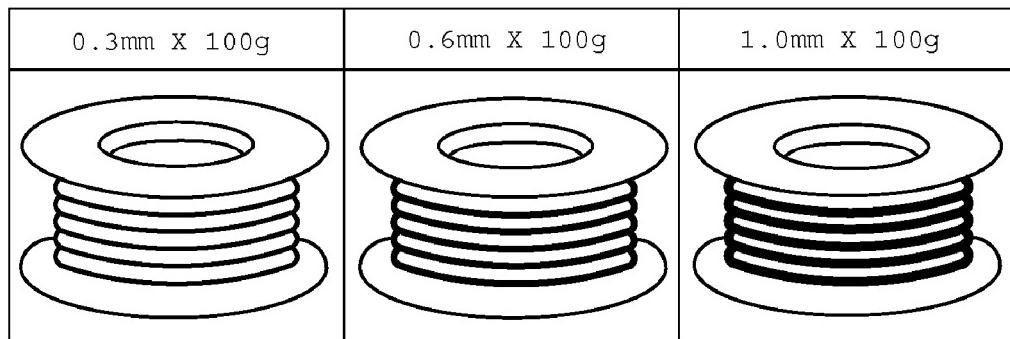
Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40°C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C). If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)

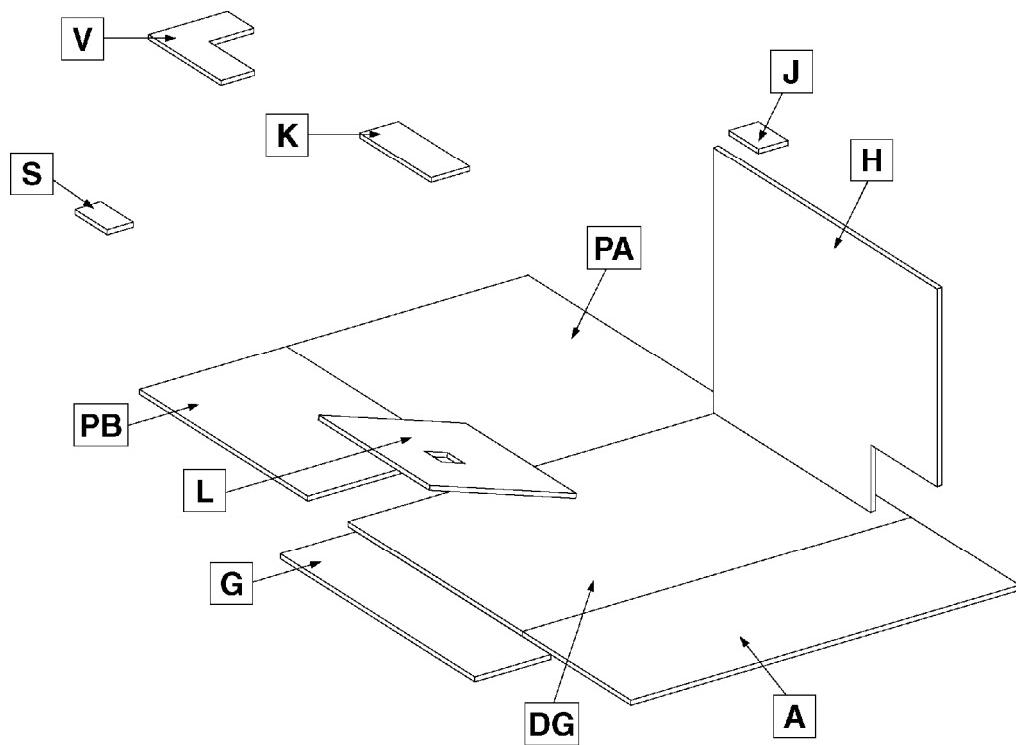


Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.



4. Chassis Board Layout



Chassis Block

Board Name	Function
A-Board	Tuner, Audio
DG-Board	MPU, GC, AMDP, EEPROM
G-Board	Front Terminal
H-Board	Rear Terminal, AV SW
PA-Board	Power
PB-Board	Ballast
J-Board	Digital in

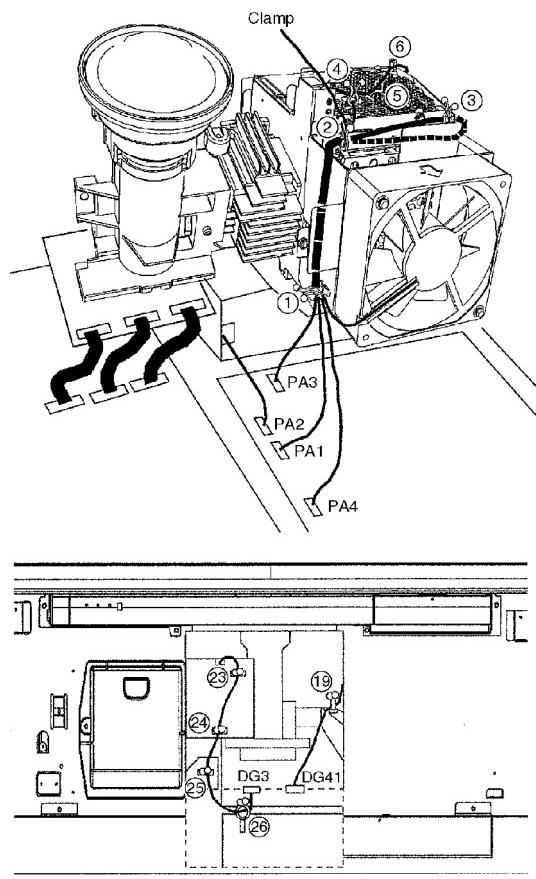
Control Block

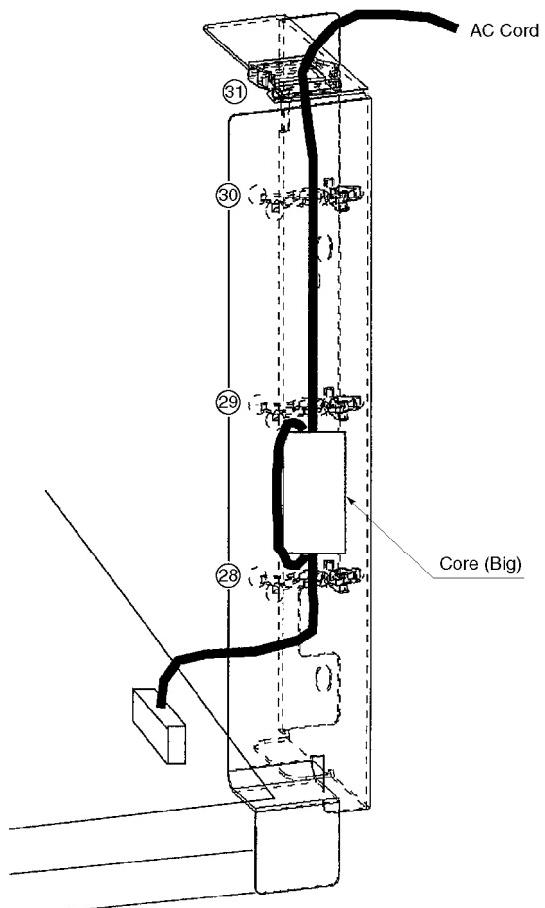
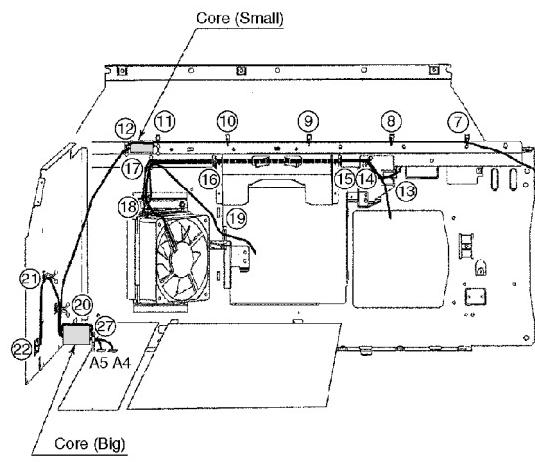
Board Name	Function
K-Board	Power SW, LED
V-Board	Front Operation

Optical Block

Board Name	Function
L-Board	DMD
S-Board	Interlock SW

5. Location of Lead Wiring





Connector Connection

DG3, DG41, A4, A5, PA1, PA2, PA3, PA4, AC

◎ : Wind up second times

6. Disassemble for Service

Front and Rear view of the Cabinet

Front View



Rear View

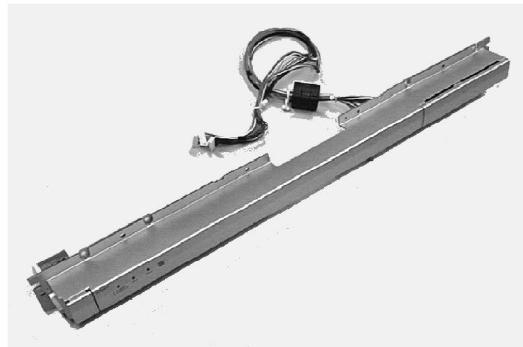


General view of the Optical & Chassis Block (One Block)

Optical & Chassis Block
(Removal from Rear side)



Control Panel
(Removal from Front side)



6.1. Removal of Rear Cover

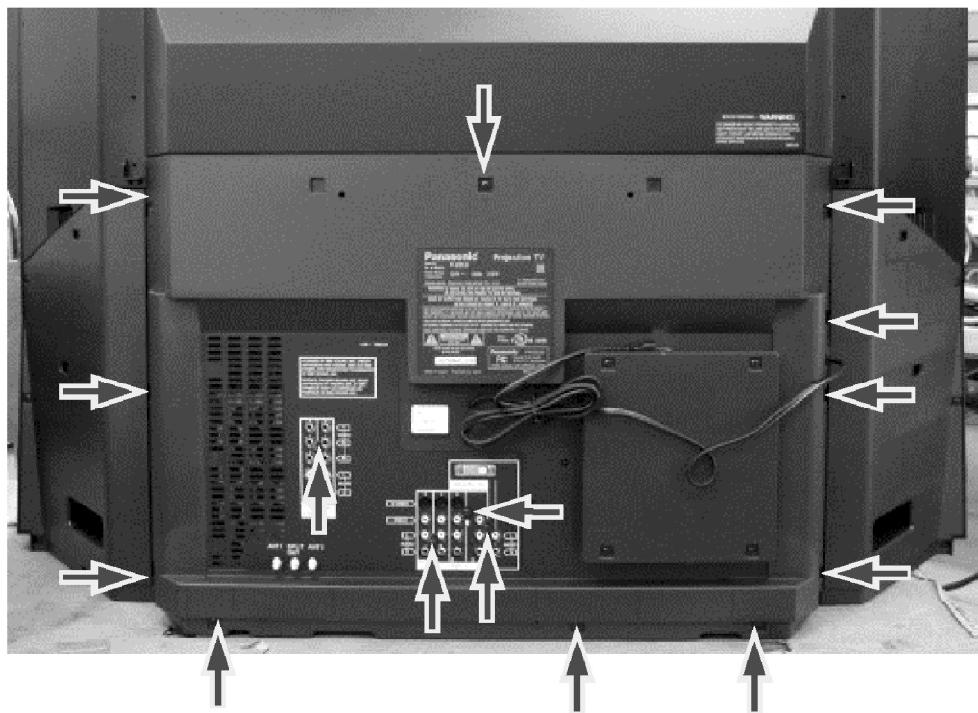
To access the Optical & Chassis Block, remove Rear Cover and Shield Plate.

Note:

When the servicing this PTV, The Left and Right Cover dose not need to be removed unless the speakers needs to service.

Removal of Rear Cover.

Remove 15 screws.



6.2. Removal of Front Decorative Speaker Grille

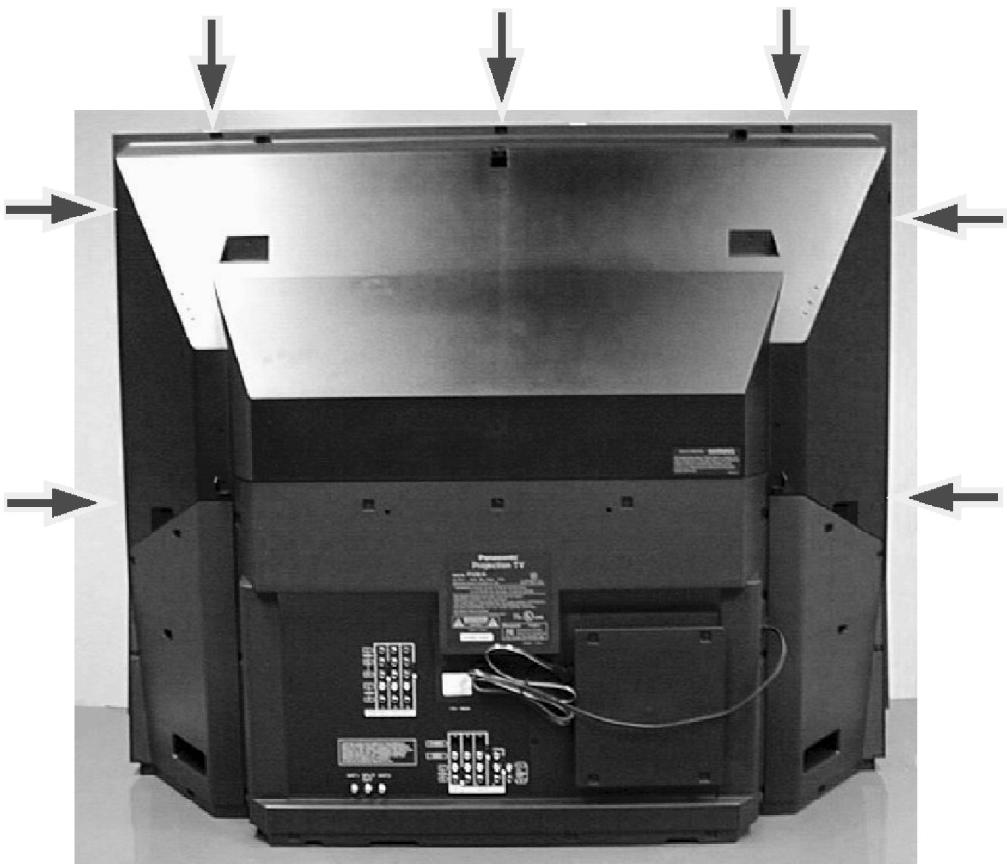
The Speaker Grille is fastend to the PTV with hooks.

Remove the Speaker Grille to access the Optical Block, Lamp Unit, Control Panel and Projection Screen removal.



6.3. Removal of Screen Frame Assay

1. Remove 7 screws at the top and side in rear side.

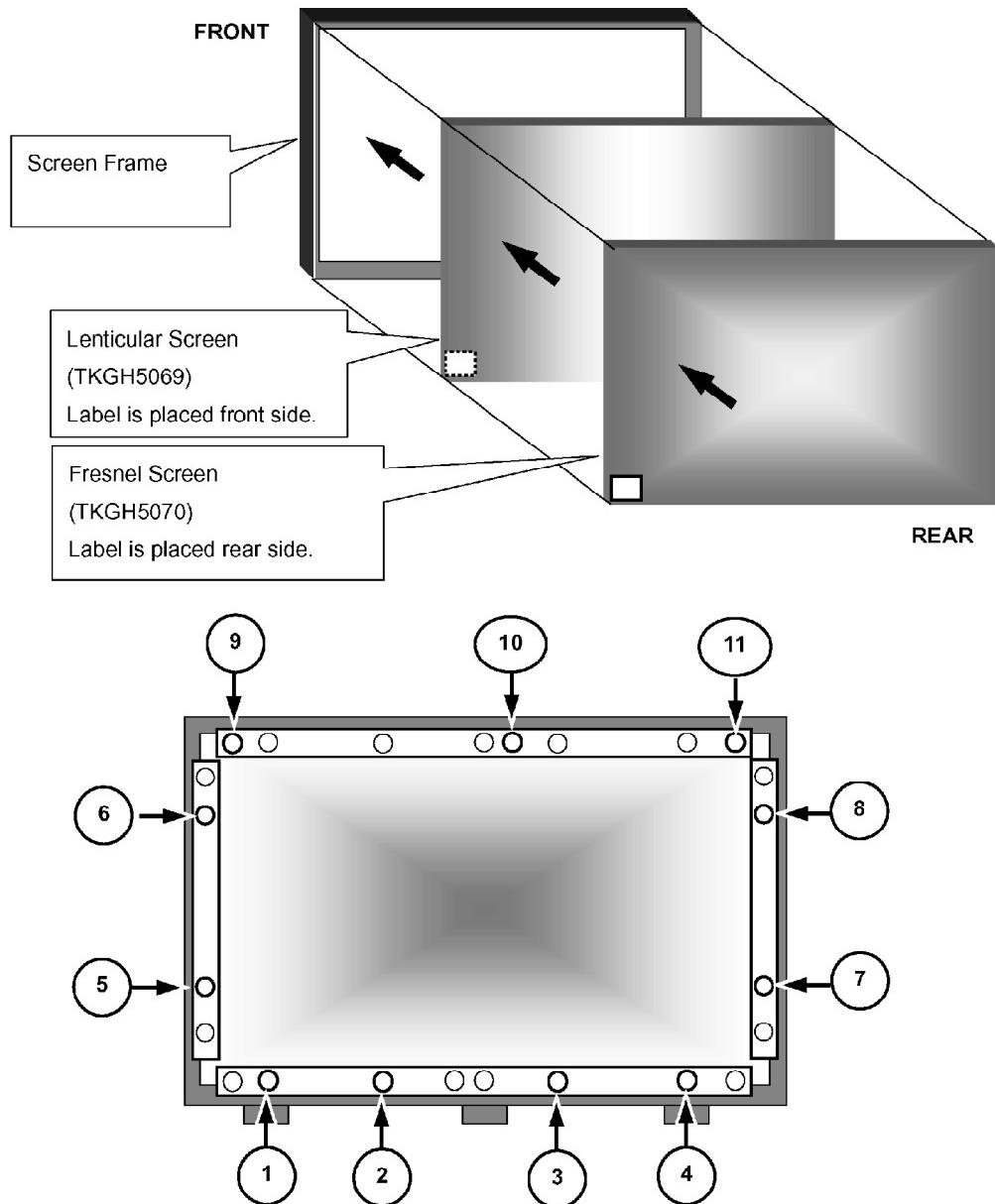


- 2. Remove the Decorative Speaker Grille.**
- 3. Remove 4 screws at bottom of the Screen in front side.**
- 4. Remove the Screen Frame Assay.**



6.4. Projection Screen Assembly

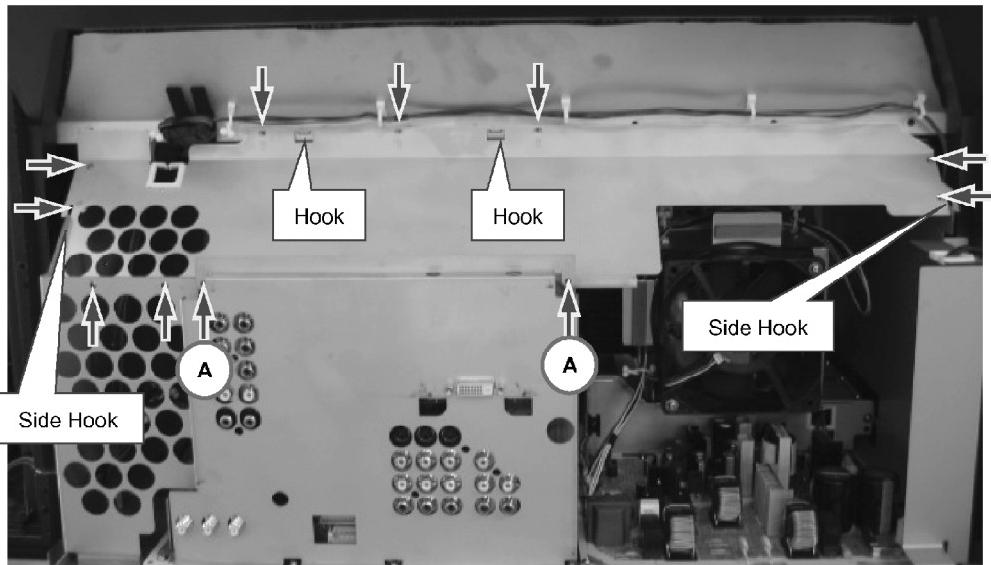
The projection screen unit consists Screen Frame, Lenticular Screen and Fresnel Screen. See the assemble as following figure.



To fix the screens to Screen Frame, fix the screws with the support brackets in order the number above.

6.5. Removal of Top Shield Plates

1. Remove Rear Cover.
2. Remove 11 screws.



- 3. Lift up Top Shield Plate a little and pull forward at topside. (There are 2 hooks.)**
- 4. Rotate the Shield Plate using the both side hooks as a fulcrum.**
- 5. Remove Top Shield Plate.**

Note :

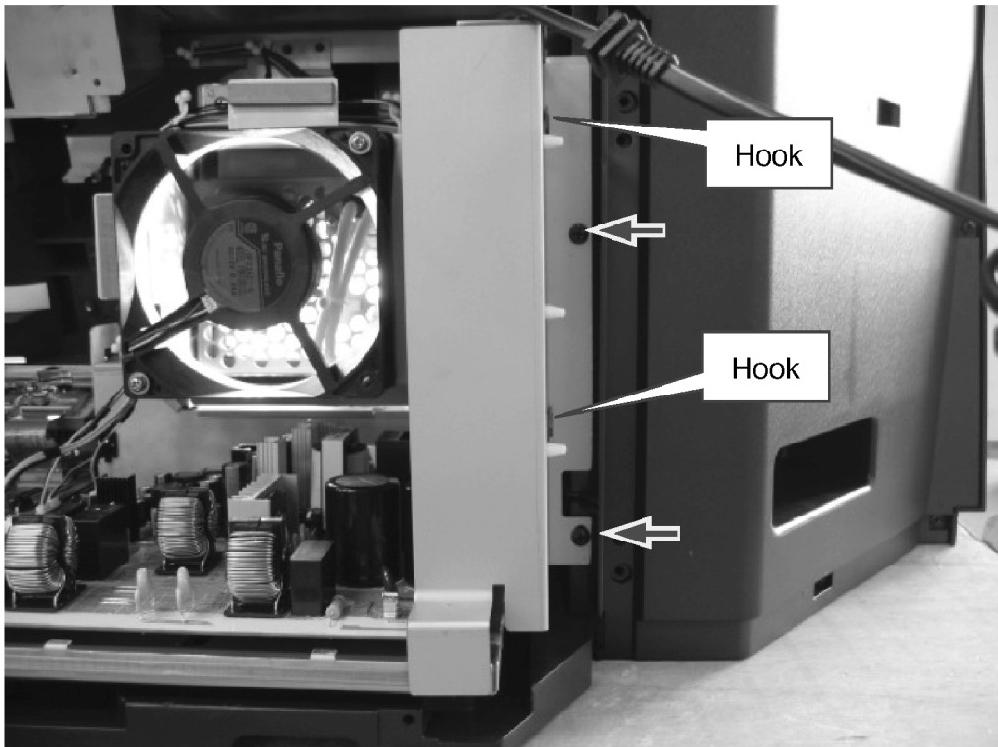
When assemble the Top shield Plate, tighten two screw (A) at first.



6.6. Removal of Right side Shield Plate

- 1. Remove Rear cover.**
- 2. Remove 2 screws.**
- 3. Lift up Right side Shield plate and pull forward.**
- 4. Remove AC power cable from clamps at Right side Shield Plate.**

Note :
Do not disconnect AC power cable from Chassis.

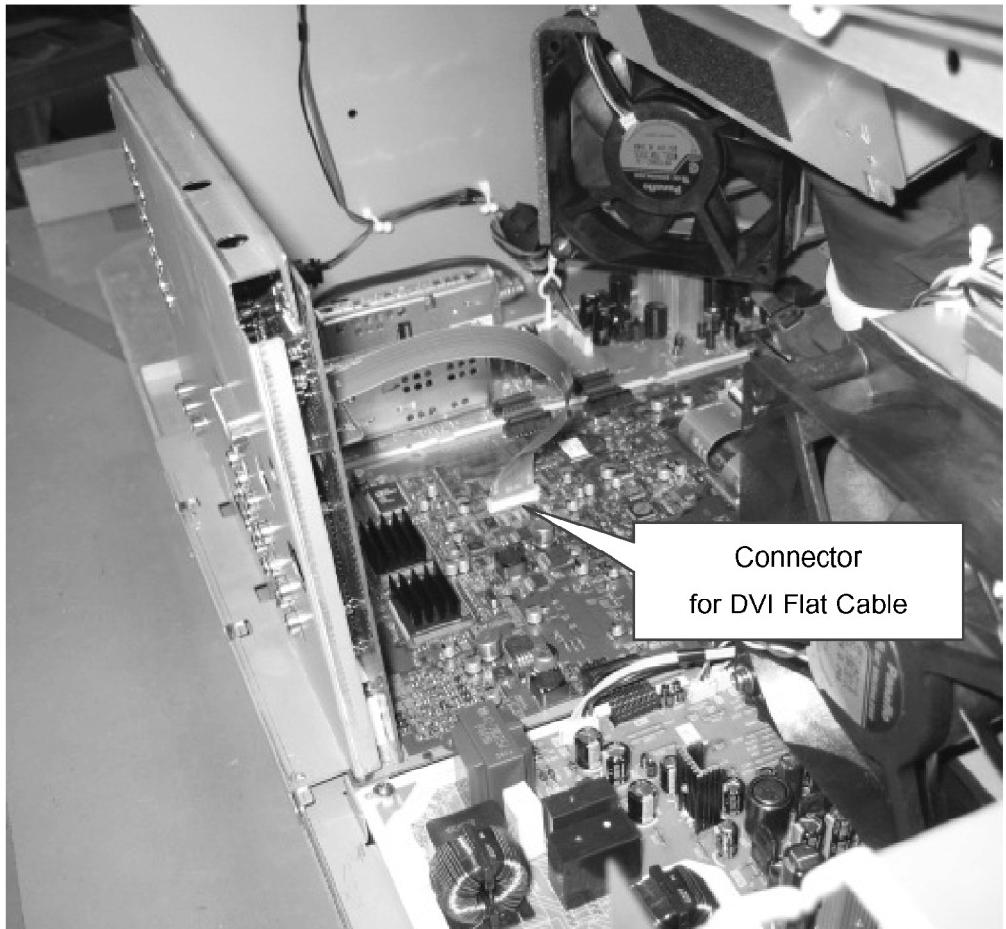


6.7. Removal of AV Terminal Shield Plate

1. Remove the Rear Cover and Top Shield Panel.

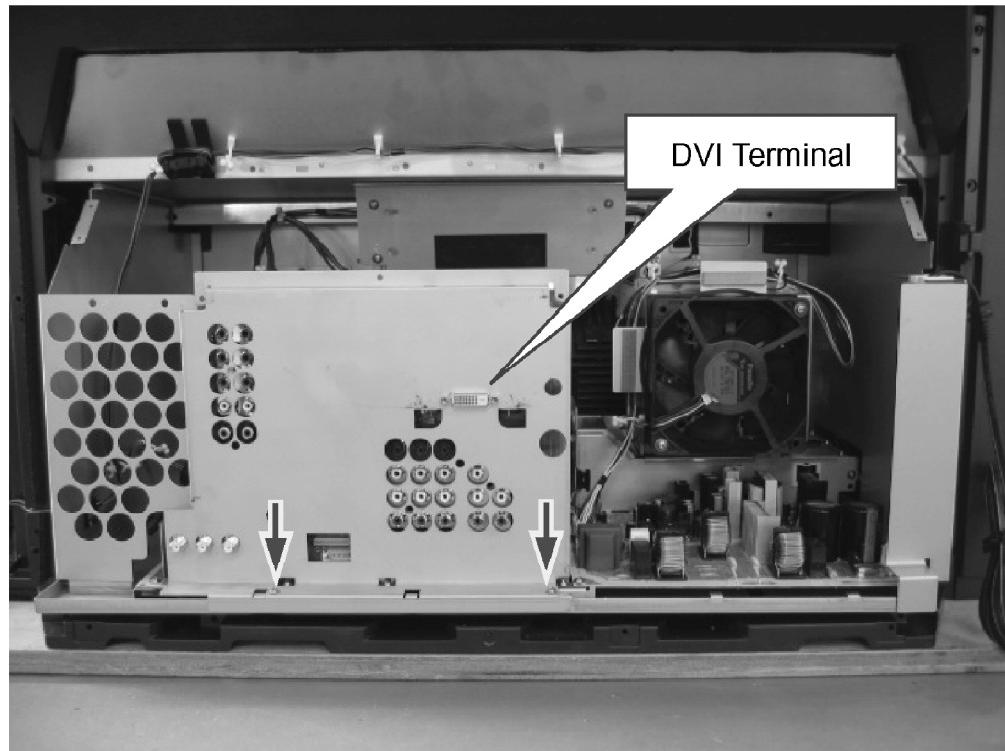
2. Remove DVI Flat Cable from DG Board.

Note :
When assembling, confirm the foil side of Flat cable and insert correctly.



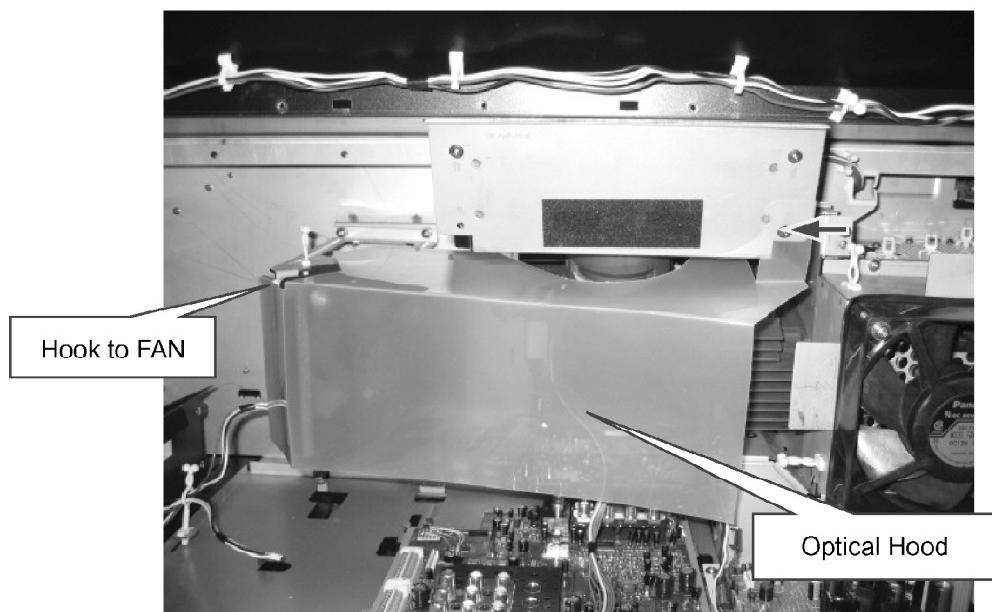
3. Remove 2 screws.

4. Remove AV Terminal Shield Plate with DVI Flat cable.



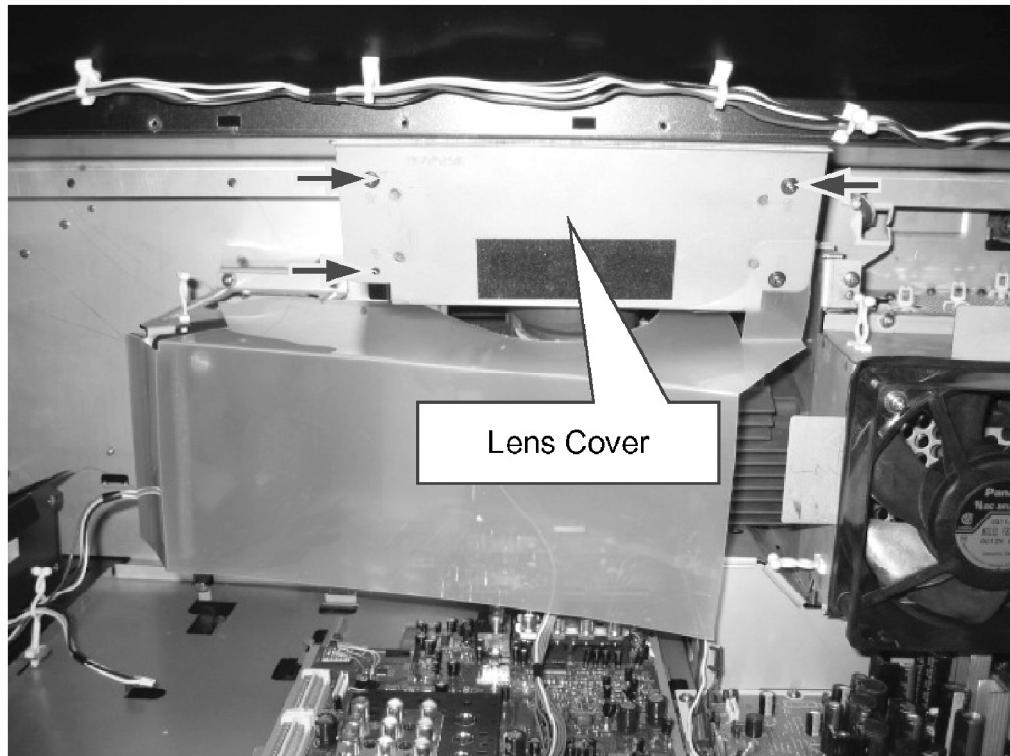
6.8. Removal of Optical Hood and Lens Cover

1. Remove the Rear Cover, all Shield Plates.
2. Remove 1 screw.
3. Remove Optical Hood.



4. Remove 3 screws.

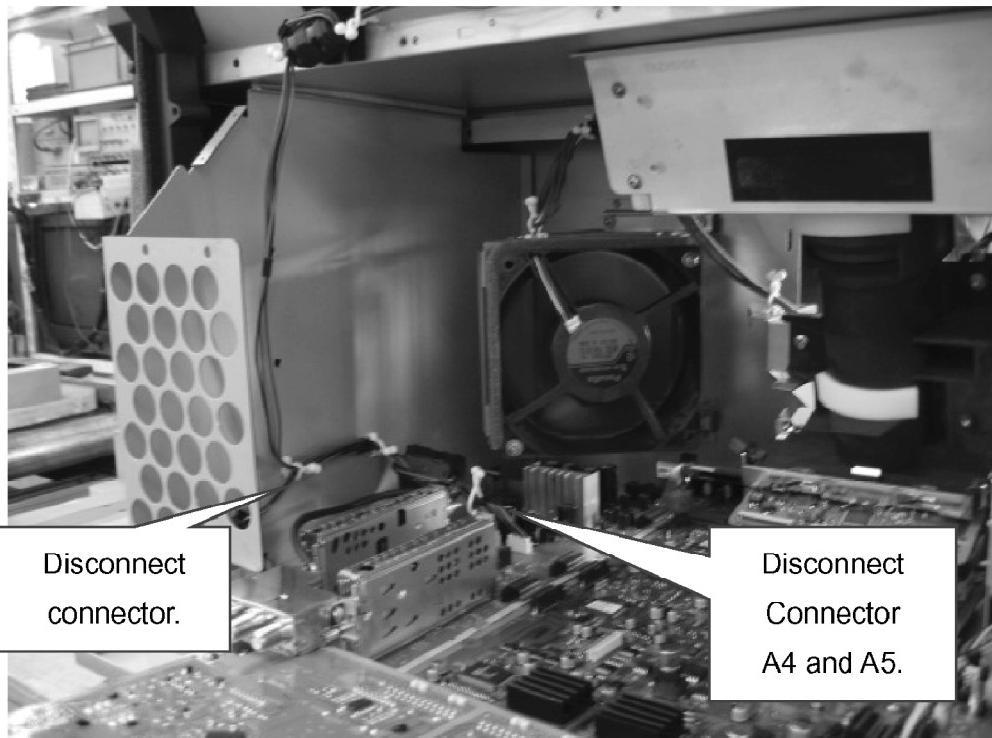
5. Pull forward and remove Lens Cover.



6.9. Removal of Lead wire from Chassis

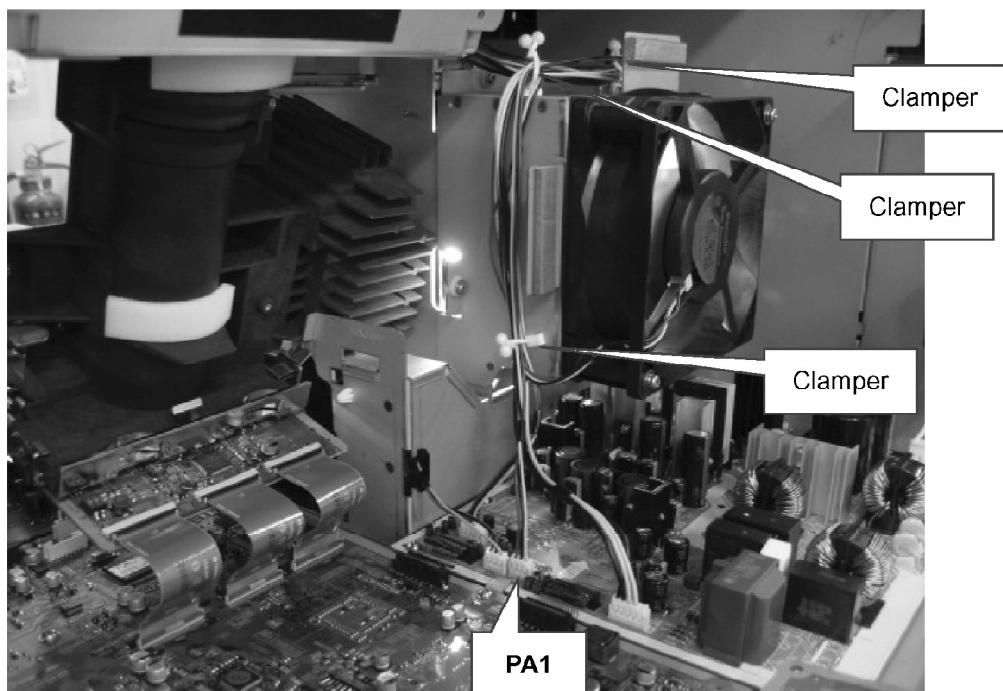
Speaker Lead wire

- 1. Remove the Rear Cover, all Shield Plates.**
- 2. Disconnect connector for right speakers.**
- 3. Disconnect connectors A4 and A5 from A-board.**



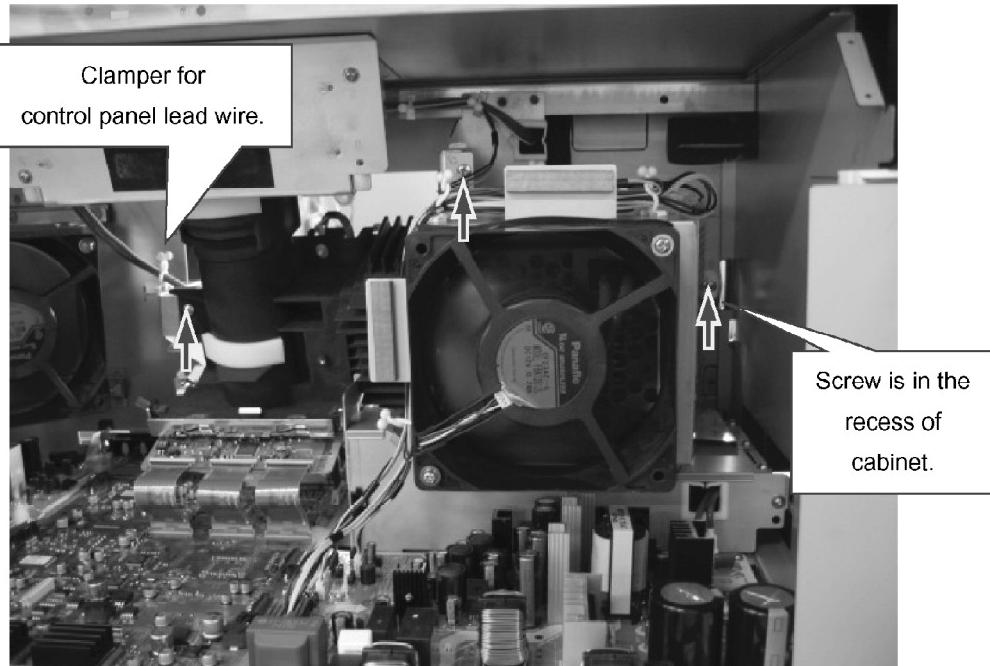
FAN Lead wire

1. Remove FAN Lead wire from clamps.
2. Disconnect connector PA1 from chassis.

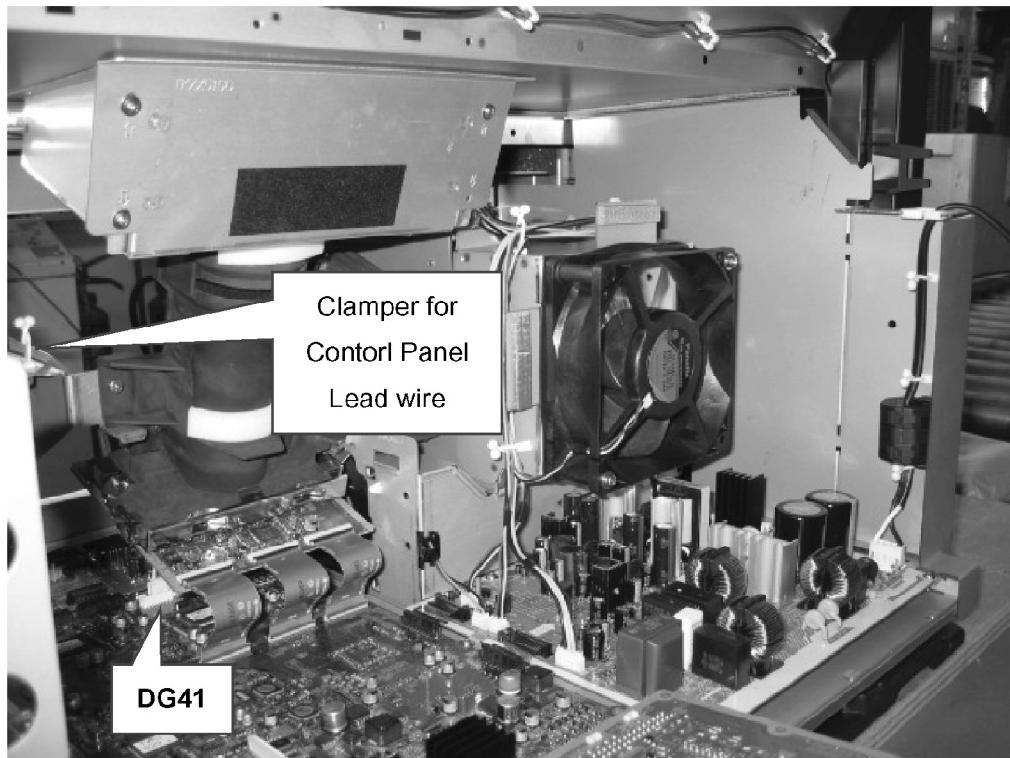


6.10. Removal of Chassis

1. Remove the Rear Cover, all Shield Plates covers and Speaker/FANLead wire.
2. Remove 3 screws (diameter: 4mm, length: 8 mm [XT4+8J])



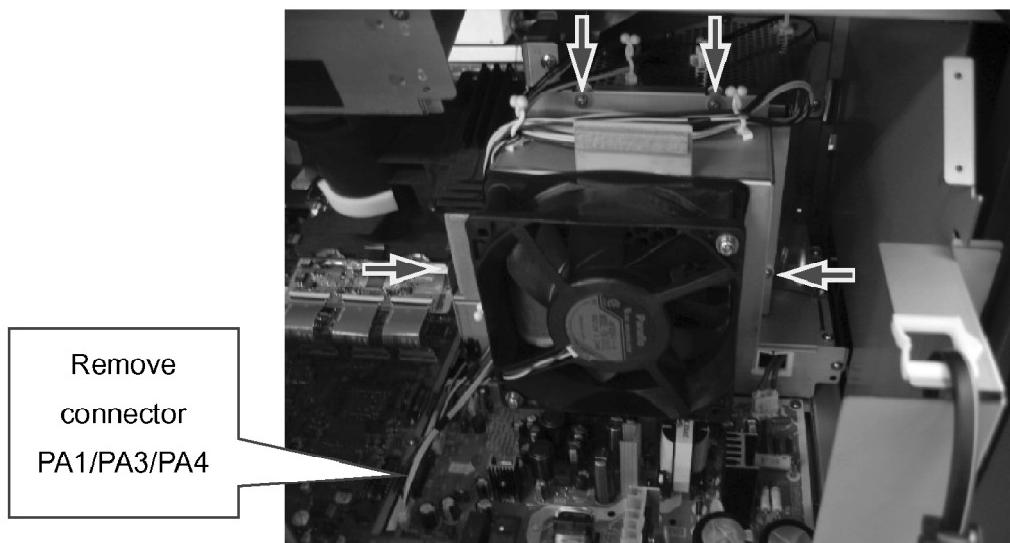
3. Remove Control panel lead (blue) wire from clamper.
4. Disconnect Connector DG41 (from Control Panel) from DG-board.
5. Pull forward whole chassis from cabinet.



6.11. Removal of Optical Block from Chassis

Removal Lamp FAN with Lamp Duct

1. Disconnect PA1, PA3 and PA4 connectors.
2. Remove 4 screws.



Removal of Lamp Box and Optical Block

1. Remove lamp connector.

Press plate spring to loosen a lamp connector fixing and pull out it to the right.

2. Remove 2 screws.

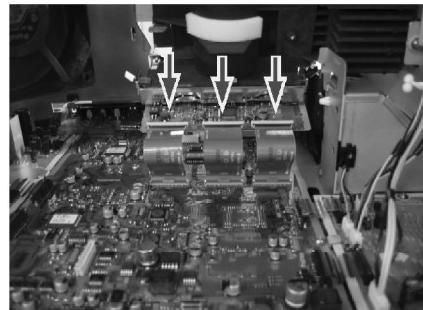
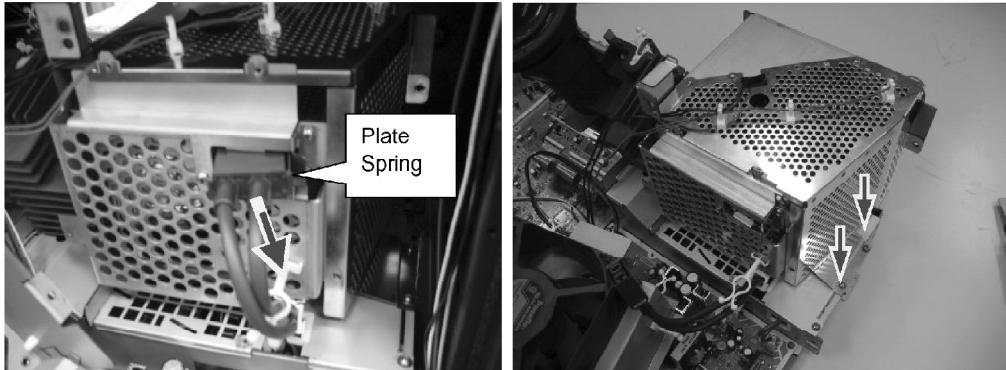
3. Disconnect DG3 connector from DG board.

4. Disconnect L1, L2 and L3 flat cable from L board.

To avoid the damage due to electrostatic, touch RF terminal or use antistatic wrist strap during disconnection.

Each Flat cables are different wiring and be careful when connection.

5. Lift Optical Block and remove it from chassis.



6.12. Removal of Color Wheel

To Access L board, Lens and Color Wheel

1. Remove Speaker Grille.

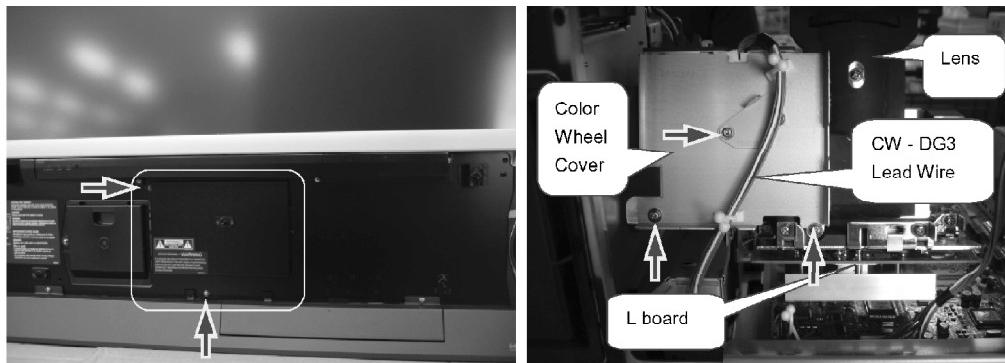
2. Remove Front Metal Cover with 2 screws.

3. L board, Lens and Color Wheel can be seen and can be accessed.

4. Disconnect DG3 connector from DG board and from clamps.

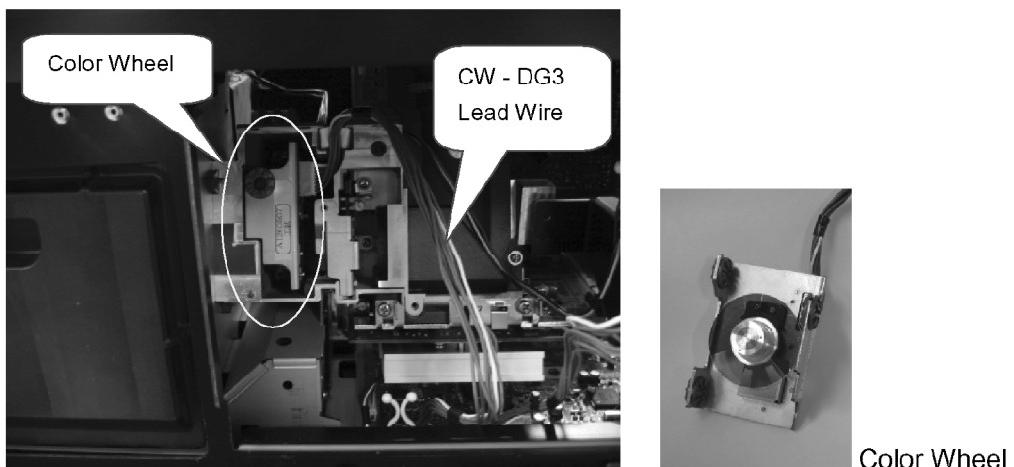
5. Remove 3 screws.

6. Remove Cover for Color Wheel.



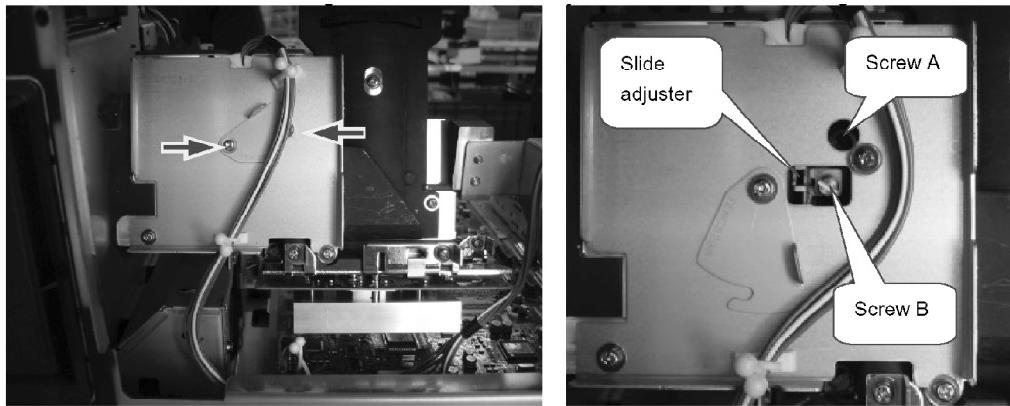
Removal of Color Wheel

1. Pull forward and remove Color Wheel.



To access Lens Array Adjustment

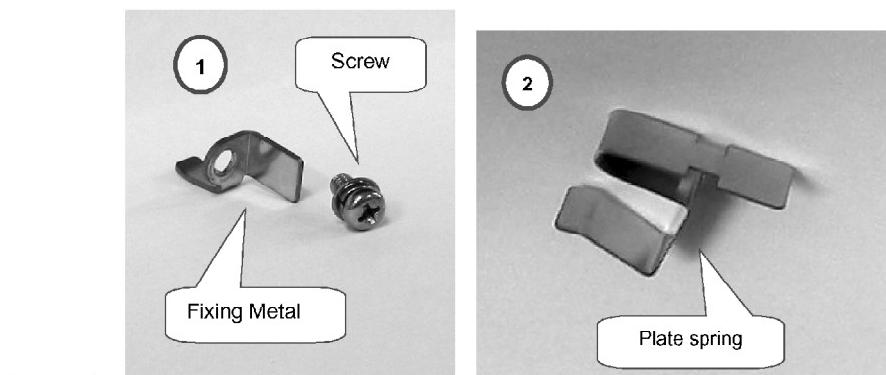
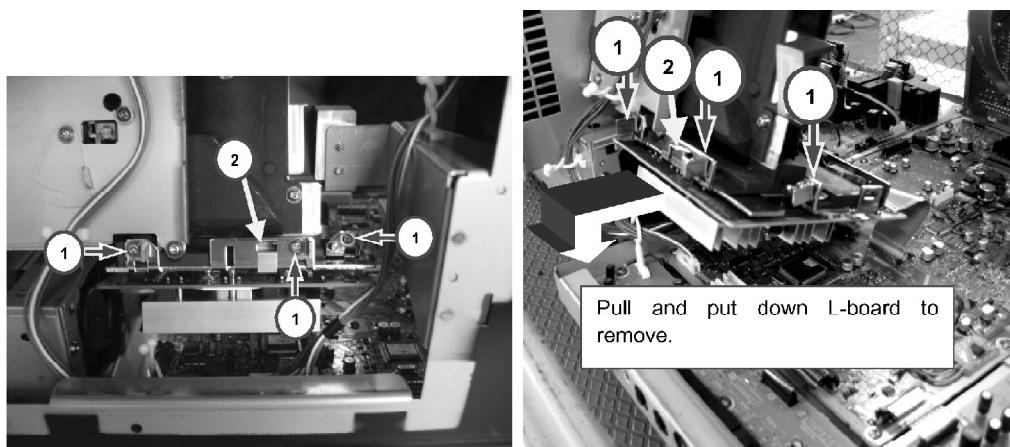
- 1. Loosen 2 screws and open the adjustment cover.**
- 2. Loosen Screw A during adjustment.**
- 3. Rotate Screw B for vertical shifting and slide the Slide adjuster for horizontal shifting.**



6.13. Removal of L board

Removal L board

- 1. Remove 3 screws with fixing metals.**
- 2. Remove 1 plate springs.**
- 3. Pull L board and put down it. Then remove it.**



7. Self-check Function

When symptoms like “the power fails sometimes” or “sometimes there is no picture and/or sound” can not be confirmed at the time of servicing, the self-check function can be used to confirm the occurrence and to find the defective circuit.

In case of “power failure”, flashing of the “POWER” indication (red) at the front of the unit can be used to narrow down the +B line.

7.1. Self-check of the microcomputer control system (bus line)

Indicator method

Press the Power “ACTION” button in the control panel of the unit simultaneously with the “VOLUME DOWN” button in the control panel of the unit. Hold them few seconds.

Return to the normal screen

Press any button on the unit or in the remote control.

Screen Display

SELF CHECK	WB0. 1. 001. 000 2	Version No. for Main MPU			
DGMPU VER.	WB0. 1. 001. 102 2	Version No. for DG MPU			
MEMORY	OK	TNR1	OK	TNR2	OK
SOUND	OK	MTS	OK		
YUV_SW	OK	AVSW	OK	JLC	OK
DG_EEP	OK	HAD	OK	AD	OK
GC2M1	OK	GC2M2	OK		
GC2S1	OK	GC2S2	OK		
DG_JLC	OK	AMDP2	OK	DDP	OK
Selfcheck result OK: Normal --: Abnormal (Check IC or its nearby components)					
Copyright 2002 Matsushita Electric Industrial Co., Ltd.					

Display	Ref. No.	Description	Board
MEMORY	IC1142	EEPROM for Main MPU	DG
SOUND	IC2451	Sound Control	H
YUV_SW	IC2501	YUV switch	H
DG_EEP	IC1004	EEPROM for DG MPU	DG
GC2M1	IC9007	Global Core 2 for main	DG
GC2S1	IC9012	Global Core 2 for sub	DG
DG_JLC	IC9066	External I/O	DG
TNR1	TNR001	Tuner 1	A
MTS	IC2201	Multiplex sound	A
AVSW	IC3001	AV switch 1	A
HAD	IC9044	HD A/D conversion	DG
GC2M2	IC9007	Global Core 2 for main	DG
GC2S2	IC9012	Global Core 2 for sub	DG
AMDP2	IC9039	AMDP	DG
TNR2	TNR002	Tuner 2	A
JLC	IC2506	External I/O	H

AD	IC9025	OSD A/D conversion	DG
DDP	IC9701	DLP control	DG

7.2. Power LED Flashing timing table

When an abnormality has occurred for a unit, the protection circuit operate and cuts the power supply. At this time, the defective line can be identified by the number of flashes (red) of the “Power LED” indication at the frontof the unit by means of the fault line which has operated the protection circuit.

Times of Flashing LED	Priority	Possible Cause		Detection Input		
				MPU	Pin function Pin No.	Detection voli Level
2	9	CW	Color Wheel abnormal	DG MPU (IC1001)	CW_DET Pin 54	“L”
3	8	DG	No communication with IC9701 (DDP1010)	DG MPU (IC1001)	(IIC1) Pin 70/71	No communicati
4	6	FAN	Ventilation FANS abnormal	DG MPU (IC1001)	SOS_DET3 Pin 69	Over 2.25V
5	4	All circuit	Loading short- circuit	Main MPU (IC1141)	SOS_DET1 Pin 57	from 1.25 to 2.1
6	3	All circuit	Power line Over current	Main MPU (IC1141)	SOS_DET1 Pin 57	Over 2.25V
7	5	PA	Excessive high voltage of Power line	Main MPU (IC1141)	SOS_DET2 Pin 56	Over 2.25V
8	2	PA/DG	Low voltage at +3.3 Volt line	Main MPU (IC1141)	MAIN_PWR_DET Pin 69	Over 2.25V
9	1	PA/DG	Low voltage at +5 Volt line abnormal	Main MPU (IC1141)	SUB_PWR_DET Pin 68	Over 2.25V
10	7	DG	No communication with IC1001 (DG MPU)	Main MPU (IC1141)	(IIC5) Pin 70/71	No communicati
11	11	DG		DG MPU (IC1001)	LMPSTB Pin 45	“L”
No Light	10	PA	AC line stop	DG MPU (IC1001)	AC_STOP_DET Pin 61	“L”

8. Serviceman Mode

This Receiver has electronic technology using the I²C BUS Concept. It performs as a control function and it replaces many mechanical controls. Instead of adjusting mechanical controls individually, many of the control function are now performed by using “On Screen Display Menu”. (The Serviceman Adjustment Mode.)

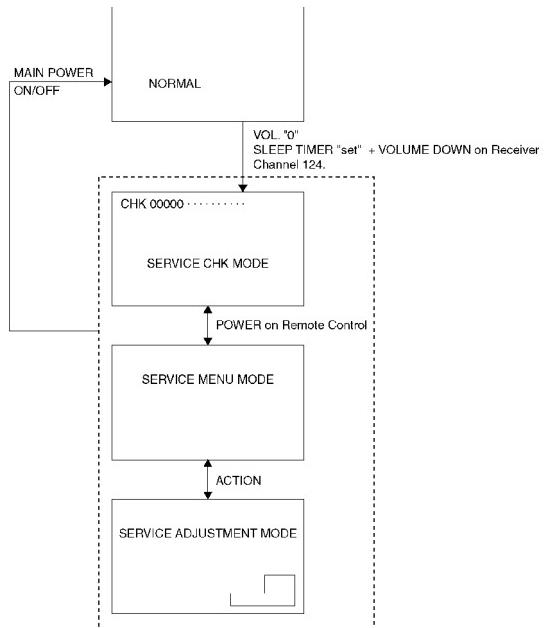
Note

It is suggested that the technician reads all the way through and understand the following the procedure for Entering/Exiting the Serviceman Mode ; then proceed with the instructions working the Receiver. When becoming familiar with the procedure, the Flow Chart for Serviceman Mode may be used as a quick guide.

Quick Entry to Serviceman Mode:

At times when minor adjustments need to be done to the electronic controls, the method of Entering the serviceman Mode without removal of the cabinet back is as follows using the Remote Control:

- 1. Select SET-UP icon and select CABLE mode.**
- 2. Select TIMER icon and set SLEEP time for 30 Min.**
- 3. Press ACTION button to exit menus.**
- 4. Tune to the Channel 124.**
- 5. Adjust VOLUME to minimum (0).**
- 6. Press the VOLUME \blacktriangleleft button (decrease) on Receiver . Red “CHK” appears in upper corner.**
- 7. Press POWER button on the Remote Control to enter/exit SERVICE MENU MODE.**
- 8. Press ACTION button on the Remote Control or Receiver to enter/exit SERVICE ADJUSTMENT MODE.**



To toggle between Aging and Serviceman modes:

While the “CHK” is displayed on the left top corner of the screen, pressing the Action and the Volume up button on the Receiver simultaneously will toggle between the modes. Red “CHK” for Serviceman and yellow “CHK” for Aging.

Exiting the Serviceman Mode:

Press the Power buttons on the Receiver.

For Adjustments (in SERVICE ADJUSTMENT MODE):

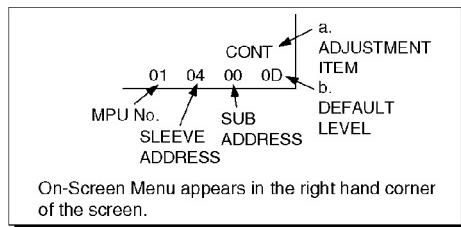
1. Press Channel Up/Down on the Remote Control to select one of the available Service Adjustment Items (a in Fig.1).

Note:

Write Down the original value set (b in Fig.1) for each address before modifying anything. It is easy to erroneously adjust the wrong item.

2. Press Volume Up/Down on the Remote Control to adjust the level of the selected Service Adjustment (b in Fig.1).

Note: Only the applicable settings for the Receiver serviced will be available (See a in Fig. 1).



On-Screen Menu appears in the right hand corner of the screen.

Fig. 1 Service Adjustment Mode

MAIN ITEM	SUB ITEM	MPU No.	EEPROM ADDRESS		DEFAULT LEVEL
			SLEEVE	SUB	
MTS	MTSIN	00	39		21
	SEPAL	00	3A		06
	SEPAH	00	3B		19
CL/TN	CLOCK	00	29		128
	OSDCK	01	32	00	00
	CCCK	01	34	00	00
VIDEO	COLOR	01	00	00	2D
	BRIGH	01	02	00	00
	CONT	01	04	00	0D
	TINT	01	06	00	00
	GY-BN	01	08	00	4C
	WBADJ	01	30	00	02
	WBWT				
	WBG				
	WBR				
	WBB				
	HD/PC	01	0A	00	80
	PR-G	01	0C	00	80
	PB-G	01	0F	00	80
	GY-OF	01	10	00	40
	PR-OF	01	12	00	40
	PB-OF	01	14	00	40
	SD	Y-G	01	16	00
	PR-G	01	18	00	00
	PB-G	01	1A	00	00
	PR-OF	01	1C	01	00
	PB-OF	01	1F	01	00
	DW	Y-G	01	20	00
	PR-G	01	22	00	00
	PB-G	01	24	00	00
	PR-OF	01	26	01	00
	PB-OF	01	28	01	00
FMT	INDEX	01	2A	01	30

MAIN ITEM	SUB ITEM	MPU No.	EEPROM ADDRESS		DEFAULT LEVEL
			SLEEVE	SUB	
	H-POS	01	2C	00	01
	V-POS	01	2E	00	0A
TEST	BLK				
	WHT				
	C-HR				
	C-HCH				

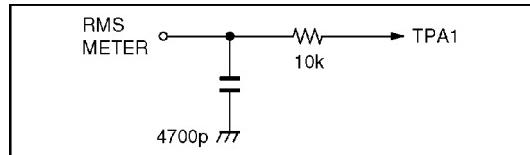
9. Service Adjustments

9.1. Input Level Adjustment

Preparation:

1. Connect an RMS meter with filter jig as shown in Fig.A1.
2. Connect an RF signal generator to the RF antenna input.

Figure A1. Filter jig



Procedure:

1. Apply the following signal from the RF signal generator:
Video: 100 IRE flat field, 30% modulation.
Audio: 300Hz, 100% modulation, monaural / (70 ± 5dB, 75 Ω OPEN, P/S 10dB).
2. Adjust the MTS Input Level Adjustment until the voltage measured is 106 ± 6.0mV rms.

9.2. Stereo Separation Adjustment

Preparation:

1. Connect an RF signal generator to the RF antenna input.
2. Connect a scope to TPA2.

Procedure:

- 1. Select Stereo Mode in Audio menu**
- 2. Apply the following signal from the RF signal generator.**
Video: 100 IRE flat field, 30% modulation.
Audio: 300Hz, 100% modulation, stereo (left only)
(70 ± 5 dB, 75Ω OPEN, P/S 10dB).
- 3. Adjust the MTS Low-Level Separation Adjustment until the amplitude displayed on the scope is minimum.**
- 4. Apply the following signal from the RF signal generator:**
Video: 100 IRE flat field, 30% modulation.
Audio: 3kHz, 100% modulation, stereo (left only)
(70 ± 5 dB, 75Ω OPEN, P/S 10dB).
- 5. Adjust the MTS High-Level Separation Adjustment until the amplitude displayed on the scope is minimum.**
- 6. Repeat above steps 2 through 5 until the amplitude is at minimum for both signals.**

9.3. DMD position adjustment

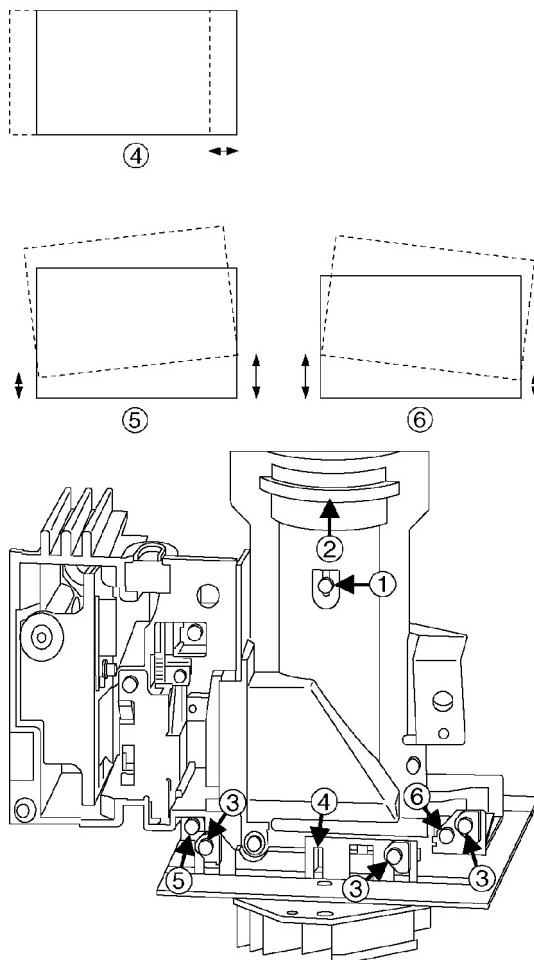
- 1. Enter serviceman mode and select TEST (C-HR).**
- 2. Confirms that 3 screws (3) is tightened up.**
- 3. Loosen a screw (1).**
- 4. While watching the screen, adjust focus at the center of screen by turning ring (2).**
- 5. Tighten the screw (1).**
- 6. Loosen 3 screws (3).**
- 7. Inserts a screwdriver (-) in the chink (4).**
- 8. While checking the cross hair pattern, tilt screwdriver (-) and adjust so that the vertical line comes on to the screen frame midpoint marker.**
- 9. While checking the cross hair pattern, turn the screw (5)(6) and**

adjust so that each end of its horizontal and vertical line comes on to the screen frame midpoint marker.

10. When tightening 3 screws (3), make sure that the adjusted screen position is not affected. If affected, repeat the procedure again.

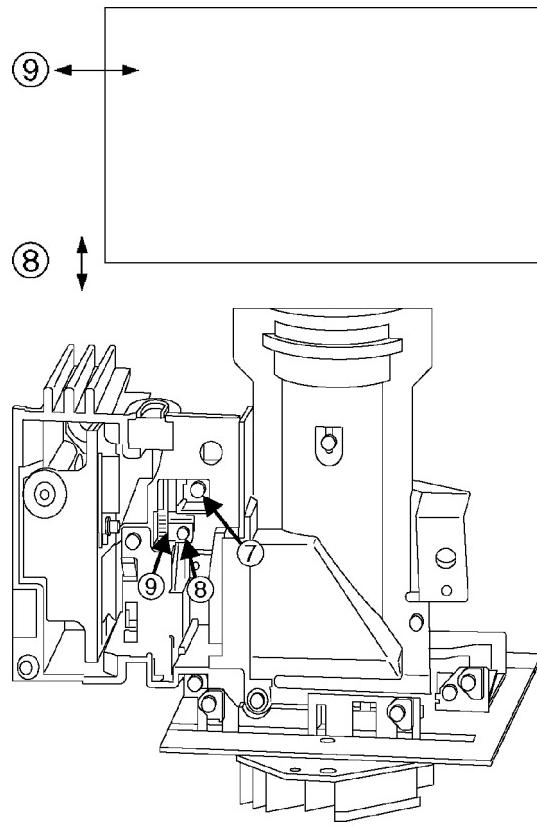
Specification

Deviation of vertical and horizontal line ends from midpoint markers within $\pm 1.0\text{mm}$.



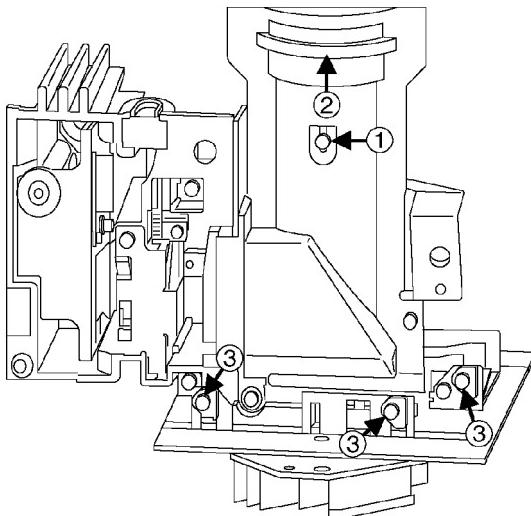
9.4. Lens array position adjustment

- 1. Enter serviceman mode and select TEST (WHT).**
- 2. Loosen screw (7).**
- 3. While watching white pattern, turns screw (8) or slide the slide adjuster (9) and adjust the position to obtain the best overall illumination area.**



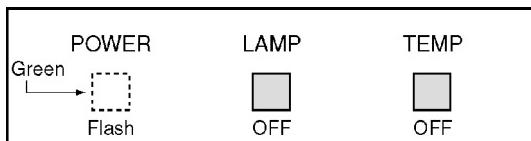
9.5. Lens focus adjustment

- 1. Enter serviceman mode and select TEST (C-HCH).**
- 2. Confirms that 3 screws (3) is tightened up.**
- 3. Loosen a screw (1).**
- 4. While watching the screen, adjust the lens focus at the center of screen by turning ring (2).**
- 5. While checking the whole screen, make fine adjustment. Adjust the focus to the point showing the best overall balance with the center of screen kept focused.**
- 6. Tighten the screw (1).**



9.6. LED check

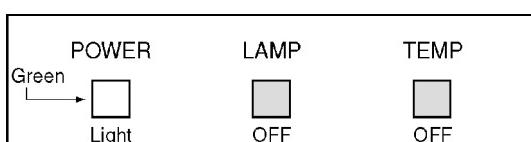
- 1. Turn on the main power switch.**
- 2. Confirm that the front LED indicators look as follows.**
POWER LED flashes in green.



(It may take longer time if the lamp failed to turn on.)

- 3. Confirm that the indicators change to follows approx. 10 seconds later.**

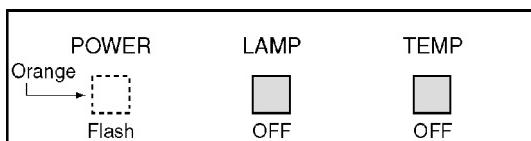
POWER LED lights up in green.



- 4. Turn off the power with remote controller power key.**

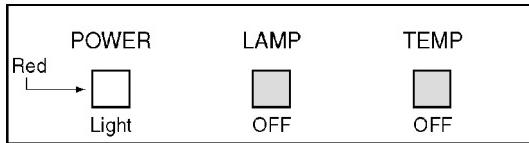
Confirm that the LED indicators look as follows.

POWER LED flashes in orange.



- 5. Confirm that the indicators change to follows approx. 90 seconds later.**

POWER LED lights up in red.



9.7. DG-Board signal level adjustment

9.7.1. HD rough adjustment

1. Input a color bar (1080i) signal.
2. Enter serviceman mode and select HD/PC (GY-G).
3. Using Volume up/down button, adjust so that the data shown on top right of the screen become E8 (± 5).
4. Select HD/PC (GY-OF).
5. Using Volume up/down button, adjust so that the data shown on top right of the screen become 10.
6. Select HD/PC (PR-G).
7. Using Volume up/down button, adjust so that the data shown on top right of the screen become E5 (± 5).
8. Select HD/PC (PR-OF).
9. Using Volume up/down button, adjust so that the data shown on top right of the screen become 10 (± 5).
10. Select HD/PC (PB-G).
11. Using Volume up/down button, adjust so that the data shown on top right of the screen become E5 (± 5).
12. Select HD/PC (PB-OF).
13. Using Volume up/down button, adjust so that the data shown on top right of the screen become 10 (± 5).

9.7.2. PC adjustment

1. Input a SVGA60 white raster signal.
2. Select HD/PC (GY-G).
3. Using Volume up/down button, adjust so that the data shown on top right of the screen become E8 (± 5).
4. Input a SVGA60 black raster signal.
5. Select HD/PC (GY-OF).

- 6. Using Volume up/down button, adjust so that the data shown on top right of the screen become 10.**
- 7. Select HD/PC (PR-G).**
- 8. Using Volume up/down button, adjust so that the data shown on top right of the screen become E8 (± 5).**
- 9. Input a SVGA60 black raster signal.**
- 10. Select HD/PC (PR-OF).**
- 11. Using Volume up/down button, adjust so that the data shown on top right of the screen become 10.**
- 12. Select HD/PC (PB-G).**
- 13. Using Volume up/down button, adjust so that the data shown on top right of the screen become E8 (± 5).**
- 14. Input a SVGA60 black raster signal.**
- 15. Select HD/PC (PB-OF).**
- 16. Using Volume up/down button, adjust so that the data shown on top right of the screen become 10.**

9.7.3. HD adjustment

Condition: In the dark room

- 1. Input a black pattern (1080i) signal.**
- 2. Select HD/PC (PB-OF).**
- 3. While watching the screen, using Volume up/down button, adjust so that the screen become a blackest.**
- 4. Select HD/PC (PR-OF).**
- 5. While watching the screen, using Volume up/down button, adjust so that the screen become a blackest.**
- 6. Select HD/PC (GY-OF).**
- 7. While watching the screen, using Volume up/down button, adjust so that the noise become a decrease most.**

9.8. CW index delay adjustment

- 1. Enter serviceman mode and select FMT (INDEX).**
- 2. While checking the red light screen, adjust the value using remote controller up/down key so that color mixture disappears. When the value is made too low, green color is getting mixed on left half of the screen. When the value is made too high, blue color is getting mixed on the entire screen in vertical blue stripes. Adjust to produce the screen in single red color without blue or green mixture.**
- 3. When there are two or more points available with no color mixture, take their mean value as setting.**
- 4. Exit service mode.**
- 5. Confirm that the screen is in normal condition.**

9.9. White balance adjustment

- 1. Receive all-white signal.**

Signal format: 1080i or 720P

100IRE

[Video flutter check]

Purpose: To check the presence of lamp flutter

Following measurement shall be taken only when the presence of video flutter has been confirmed.

When the luminance change exceeding 3% occurred more than 3 times within 60 seconds at center of the screen, the lamp shall be regarded as defective and be replaced.

- 2. Go into the white balance adjustment screen in the "Service-Adjust" mode.**

Main item: VIDEO

Sub item: WB R

- 3. Measure the chromaticity (x, y) with colorimeter.**

- 4. As to the chromaticity coordinates (x, y) measured:**

When $y > -3.09278x + 1.217835$

keep reducing the WB R value with a decrement of 1.

On reaching $y \leq -3.09278x + 1.217835$

go on to the next step.

Write the data into the following address.

IIC5 [SLV: a0 SUB: d7]

The maximum value is [64].

5. As to the chromaticity coordinates (x, y) measured:

When $y < -1.51621x + 0.689852$

keep reducing the WB B value with a decrement of 1.

On reaching $y \geq -1.51621x + 0.689852$

go on to the next step.

Write the data into the following address.

IIC5 [SLV: a0 SUB: d8]

The maximum value is [64].

6. As to the chromaticity coordinates (x, y) measured:

When $y > 1.208333x - 0.02142$

keep reducing the WB G value with a decrement of 1.

On reaching $y \leq 1.208333x - 0.02142$

go on to the next step.

Write the data into the following address.

IIC5 [SLV: a0 SUB: d6]

The maximum value is [64].

7. Measure the chromaticity coordinates (x, y), and confirm that the following three equations are fulfilled.

$y \leq -3.09278x + 1.217835$

$y \geq -1.51621x + 0.689852$

$y \leq 1.208333x - 0.02142$

If not fulfilled, return to the procedure 4 above.

8. After the chromaticity coordinates come within the above range, measure the luminance at the center of the screen to confirm that it has brightness of 240 nit or higher.

When the luminance is lower than 240 nit, replace the lamp and carry out the procedures from 4 onwards.

- 9. Go out of the "Service-Adjust" mode.**
Confirm that the screen is in normal condition.

10. Conductor Views

- 10.1. A-Board**
- 10.2. DG-Board**
- 10.3. G and J-Board**
- 10.4. H-Board**
- 10.5. L-Board**
- 10.6. PA-Board**
- 10.7. PB-Board**
- 10.8. K, S and V-Board**

11. Block Diagram

- 11.1. Main Block Diagram**
- 11.2. Power Block Diagram**
- 11.3. Control Block Diagram**
- 11.4. Audio Block Diagram**
- 11.5. Video Block Diagram**

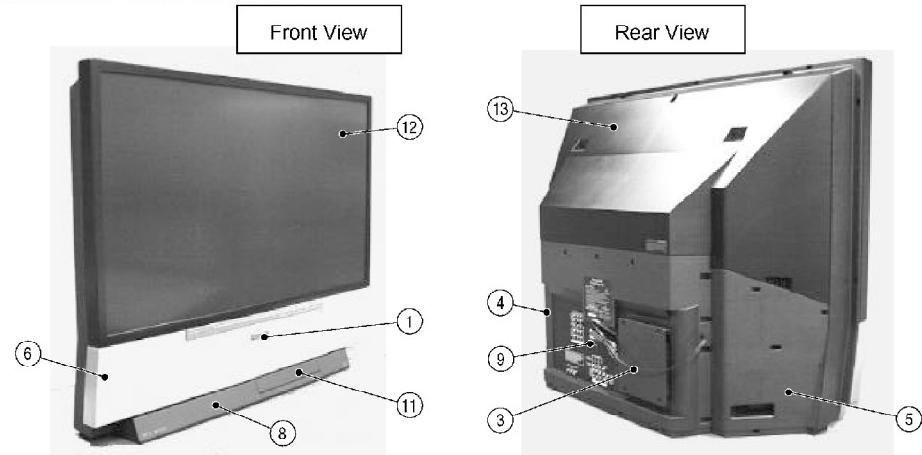
12. Schematic Diagrams

- 12.1. Schematic Diagram Notes**
- 12.2. A-Board Schematic Diagram**
- 12.3. DG-Board (1 of 10) Schematic Diagram**
- 12.4. DG-Board (2 of 10) Schematic Diagram**
- 12.5. DG-Board (3 of 10) Schematic Diagram**

- 12.6. DG-Board (4 of 10) Schematic Diagram**
- 12.7. DG-Board (5 of 10) Schematic Diagram**
- 12.8. DG-Board (6 of 10) Schematic Diagram**
- 12.9. DG-Board (7 of 10) Schematic Diagram**
- 12.10. DG-Board (8 of 10) Schematic Diagram**
- 12.11. DG-Board (9 of 10) Schematic Diagram**
- 12.12. DG-Board (10 of 10) Schematic Diagram**
- 12.13. H-Board (1 of 3) Schematic Diagram**
- 12.14. H-Board (2 of 3) Schematic Diagram**
- 12.15. H-Board (3 of 3) Schematic Diagram**
- 12.16. L-Board (1 of 2) Schematic Diagram**
- 12.17. L-Board (2 of 2) Schematic Diagram**
- 12.18. PA-Board (1 of 2) and S-Board Schematic Diagram**
- 12.19. PA-Board (2 of 2) Schematic Diagram**
- 12.20. PB-Board Schematic Diagram**
- 12.21. G, J, K and V-Board Schematic Diagram**

13. Parts Location

Front and Rear view of the Cabinet

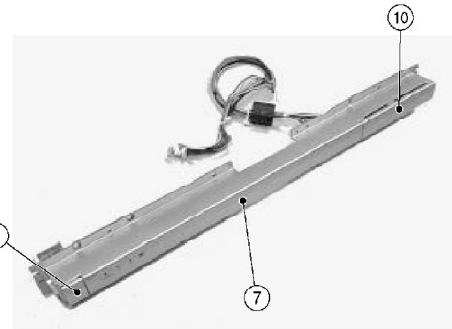


General view of the Optical & Chassis Block (One Block)

Optical & Chassis Block
(Removal from Rear side)



Control Panel
(Removal from Front side)



14. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	EUR7603Z70	REMOTE CONTROL TRANSMITTER	1	
	FBA08A12LS	FAN (FOR BALLAST)	1	
	FBA12G12L0	FAN	2	
	J0KA00000033	FLAT CORE (FOR Q415, Q416, Q419, Q420)	4	
	J2FB00000001	2RF SPLITTER	1	
	K1HA24DA0005	DIGITAL-IN CABLE	1	
	K1HA30DA0003	RGB (PC INPUT)CABLE	1	
	K2CB2DZ00008	AC CORD	1	K2CB2DZ00007 
	K5X120AH0001	BIMETAL	1	
	KRCBC160928B	RERRITE CORE (SMALL)	1	
	KRCBC261329B	FERRITE CORE (BIG)	2	
	L0AA05A00037	SPEAKER (TWEETER)	2	
	L0AA13A00002	SPEAKER (WOOFER)	2	
<u>1</u>	TBMA071	PANASONIC BADGE	1	
<u>2</u>	TBXA26704	POWER BUTTON	1	
	TEEC0024-1	LAMP UNIT	1	
	TEEC0034	LAMP UNIT COVER (FRONT)	1	
	TEEC5020	LAMP HOUSE (BLACK RESIN BOX)	1	
	TEK6935	DOOR SWITCH	2	
	TEKC001	DAMPER FOR DOOR	3	
	TENC5182	LAMP DUCT	1	
	TES2249	SPRING	1	
	TESA031	SPRING FOR IC2301	1	
	TESA162	SPRING FOR S401	1	
	TESA177	PLATE SPRING	1	CHAPTER 6.13-(2)
	THEA068N	SCREW FOR DIGITAL IN/PC INPUT TERMINAL	4	
	THEC064W	SCREW	3	CHAPTER 8.3-(5),(6) CHAPTER 8.4-(8)
	THTA006Z	SCREW FOR REARCOVER	42	
	TJS59036	L SHAPE PIN JACK FOR RF CABLE	2	K2JC2B000001
	TKGF0065	CYLINDRICAL ASSY	1	(LENS HOUSING ASSY)
	TKGH5069	SCREEN (LENTICULA)	1	
	TKGH5070	SCREEN (FRESNEL)	1	
	TKGJ5024	MIRROR	1	
<u>10</u>	TKPA41304	DOOR (FRONT CONTROL)	1	
<u>11</u>	TKPA41402	DOOR (FRONT TERMINAL)	1	
<u>3</u>	TKPA45101	REAR DUCT PANEL	1	
<u>4</u>	TKUC10201	REAR COVER (RIGHT)	1	
<u>5</u>	TKUC10301	REAR COVER (LEFT)	1	
	TMKX051	INSULATOR FOR IC2301	1	
	TMM14413	STRIKE CATCH	9	
	TMM14414	STRIKE	9	
	TMM14415	STRIKE BASE	9	
	TMM14483	EDGE SADDLE (BIG)	4	CHAPTER 5-(31)
	TMM6428-1	CLAMPER	2	CHAPTER 5-(26)
	TMME047	CLAMPER	9	CHAPTER 5-(28)
	TMME050	CLAMPER (PILLAR FOR PB BOARD)	2	
	TMME075	EDGE SADDLE (SMALL)	5	CHAPTER 5-(22)
	TMME088	LOCKING WIRE SADDLE	5	
	VMG1481	CUSHION FOR COLOR WHEEL	3	
	TMWJ002	SPACER	1	
	TMWJ006	BRACKET	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TPCA93002	CARTON BOX (TOP)	1	
	TPCA93101	CARTON BOX (BOTTOM)	1	
	TPD169487	JOINT	6	
	TPDA0433	CUSHION (UPPER)	1	
	TPDA0434	CUSHION (BOTTOM)	1	
	TPEH091	PROTECT SHEET	1	
	TPEH126-1	PROTECT BAG	1	
	TPEX007	WASHING CLOTH	1	
	TQBC0512	INSTRUCTION BOOK (ENGLISH)	1	⚠
	TQBC7060	SERVICE CENTER LIST	1	
	TSXL245	CABLE L1-DG50	1	
	TSXL246	CABLE L2-DG51	1	
	TSXL247	CABLE L3-DG52	1	
	TSXL248	CABLE J1-DG18	1	
6	TTPA0255	SPEAKER GRILLE	1	
7	TTPA0256	CONTROL PANEL	1	
8	TTPA0257	TERMINAL PANEL ASSY	1	
	TXJTNR0N92	RF CABLE	1	
	TXZEE010GUV	OPTICAL BLOCK ASSY	1	
	TXZEE020GUV	OPTICAL UNIT ASST	1	
9	TZTKU010GUV	REAR COVER (CENTER)	1	
	XBA1C63NU100	FUSE 125V 6.3A	1	K5D632AD0002 ⚠
	XNG4AFN	NUT	1	
	XTB4+8J	SCREW	19	
	XTBT964Z	SCREW	40	
	XTS3+8JFZ	SCREW	7	
	XTV3+10J	SCREW	10	
	XTW3+8T	SCREW	71	
	XUC2	E RING	3	FOR THECO64W
	XWA4BFN	WASHER	1	
	XYN3+C10	SCREW	1	
	XYN3+F10	SCREW	23	
	XYN3+F30	SCREW	3	
	XYN3+J6	SCREW	2	
	XYN3+J8	SCREW	13	
	XYN4+F14	SCREW	1	
	XYN4+F20	SCREW	4	
	XYN4+F25	SCREW	2	
	XYN4+F45	SCREW	4	
	XYN4+J8FN	SCREW	1	
	XZBT6506	POLY BAG (FOR OPERATING INSTRUCTION BOOK)	1	
	TEFC0003	COLOR WHEEL	1	
12	TXFKE010GUV	SCREEN FRAME ASSY	1	
13	TTYA0534	CABINET	1	

15. Replacement Parts List

15.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide Metal Film	J : $\pm 5\%$
S : Solid	K : $\pm 10\%$
W : Wire Wound	M : $\pm 20\%$

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polyprop	G : $\pm 3\text{pF}$
lene	J : $\pm 5\text{pF}$
T : Tantalum	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

15.2. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
A1-A3	K1KA15A00118	15P CONNECTOR	3	
A4	K1KA05A00139	5P CONNECTOR	1	
A5	TJS3A9650	4P CONNECTOR	1	K1KA04A00194
A6	K1KA02A00188	2P MINI	1	
AC1	TJS3A9630	CONNECTOR	1	K1KA03A00183
C9148	ECJ3YB0J685M	C 68UF, J, 25V	1	
C001	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C002	ECA1CM471	E 470UF, 16V	1	
C005	ECA1CM471	E 470UF, 16V	1	
C006	ECA1HM4R7	E 4.7UF, 50V	1	
C007	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C008	ECA1HM2R2	E 2.2UF, 50V	1	
C009,10	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C011	ECA1HM010	E 1UF, 50V	1	
C013,14	ECJ2XC1H820J	C 82PF, J, 50V	2	
C021	ECJ2XC1H300J	C 30PF, J, 50V	1	
C031	ECJ2XC1H220J	C 22UF, J, 50V	1	
C032	ECA1VM470	E 47UF, 35V	1	
C033	ECJ2XC1H220J	C 22UF, J, 50V	1	
C052	ECA1CM471	E 470UF, 16V	1	
C053	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C055	ECA1HM4R7	E 4.7UF, 50V	1	
C058	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C059	ECA1CM471	E 470UF, 16V	1	
C060	ECA1HM2R2	E 2.2UF, 50V	1	
C061	ECA1CM101	E 100UF, 16V	1	
C066,67	ECJ2XC1H820J	C 82PF, J, 50V	2	
C300-06	ECJ2VF1C104Z	C 0.1UF, Z, 16V	7	
C307	ECJ2XB0J106M	C 0.10UF, Z, 16V	1	ECJ2VF1C104Z
C308,09	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C310	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C311	EEVHB1C470	E 47UF, 16V	1	
C312	F1L1C1060031	C 10UF, 16V	1	
C313	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C314	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C315	F1L1C1060031	C 10UF, 16V	1	
C316	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C317	F1L1C1060031	C 10UF, 16V	1	
C318,19	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C320	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C321-23	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C330	ECJ2XF1H104Z	C 0.1UF, Z, 50V	1	
C331,32	ECJ4XB1C106K	C 0.10UF, K, 16V	2	ECJ4YB1C106K
C333	ECJ2XF1H104Z	C 0.1UF, Z, 50V	1	
C351	ECJ2YF1C225Z	C 22PF, Z, 16V	1	ECJ2VF1C104Z
C352	ECJ3VF1C225Z	C 2.2UF, Z, 16V	1	
C353	ECJ2YF1C225Z	C 22PF, Z, 16V	1	ECJ2VF1C104Z
C354	ECJ3VF1C225Z	C 2.2UF, Z, 16V	1	
C355-78	ECJ2YF1C225Z	C 22PF, Z, 16V	24	ECJ2VF1C104Z
C379,80	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C381	F1L1C1060031	C 10UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C382,83	ECJ3VF1C225Z	C 2.2UF, Z, 16V	2	
C384-91	ECJ2VF1C104Z	C 0.1UF, Z, 16V	8	
C392,93	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C394	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C395	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C396-99	ECJ2VF1C104Z	C 0.1UF, Z, 16V	4	
C401	ECQE6473KF	P 0.047UF, K,630V	1	
C402	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C403	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C404	ECA1EHG221	E 220UF, 25V	1	
C405	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C406	ECA2WHG100	E 10UF, 450V	1	ECA2WHG220
C408	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C409	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C410	ECJ2XB1H153K	C 0.015UF, K, 50V	1	
C411	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C412	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C414	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C415	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C416	ECJ1VB1H682K	C 6800PF, K, 50V	1	
C417	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C418	ECJ2XC1H182J	C 1800PF, J, 50V	1	
C419	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C420,21	ECA1CHG221	E 220UF, 16V	2	F2A1C221A119
C422	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C423	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C424	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C425	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C426	ECJ4XB1C106K	C 0.10UF, K, 16V	1	ECJ4YB1C106K
C427	ECJ2XC1H182J	C 1800PF, J, 50V	1	
C428	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C429	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C430	ECJ2VF1C105Z	C 1UF, Z, 16V	1	ECJ2VF1H104Z
C431	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C432,33	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C434	ECJ2XB1H682K	C 6800PF, K, 50V	1	
C435,36	ECA1CHG331	E 330UF, 16V	2	
C437	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C439	ECJ2XC1H182J	C 1800PF, J, 50V	1	ECJ2XC1H681J
C443	ECKD3A471KBP	C 470PF, K, 1KV	1	
C444	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C445	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C446	ECA1HEN100	E 10UF, 50V	1	ECEA1HN100U
C448	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C449	ECWF4824JBB	P 0.82UF, J,400V	1	
C450	ECQB2104KF	P 0.1UF, K,250V	1	
C451	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C452	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C453	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C454	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C455	ECJ2VB1C224K	C 0.22UF, K, 16V	1	
C456,57	ECJ2XB1H392K	C 3900PF, K, 50V	2	
C458	ECKD3A471KBP	C 470PF, K, 1KV	1	
C459	ECJ3XB0J106M	C 10UF, M,6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C460	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C461,62	ECKD3A332KBP	C 3300PF, K, 1KV	2	
C466	ECKD3A332KBP	C 3300PF, K, 1KV	1	
C467	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C468,69	ECJ2XB1H392K	C 3900PF, K, 50V	2	
C470	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C471,72	ECKD3A332KBP	C 3300PF, K, 1KV	2	
C473	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C474	ECJ2XC1H101J	C 100PF, J, 50V	1	
C485	ECJ1VC1H220J	C 22PF, J, 50V	1	
C800	ECKDNA102MB	C 1000PF, Z,	1	▲
C801	ECQU2A105BN9	P 1UF, 250V	1	▲
C803	ECQU2A105BN9	P 1UF, 250V	1	
C804	ECKDAE472ZE	C 4700PF, Z,	1	
C806	ECKDAE472ZE	C 4700PF, Z,	1	
C807,08	ECKCNA222MEB	C 2200PF, M	2	▲
C809,10	EETHC2D152K	E 1500UF, 160V	2	▲
C811	ECQE6473KF	P 0.047UF, K, 630V	1	
C813	ECKD3D332KBP	C 3300PF, K, 2KV	1	
C814,15	EEUFC1V151	E 150UF, 35V	2	F2A1V151A085
C816	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C817	ECJ2XB1H272K	C 2700PF, K, 50V	1	
C818	ECJ2VF1H333Z	C 0.033UF, Z, 50V	1	
C819	ECQB1H681JF	P 680PF, J, 50V	1	
C820	ECQB1H102JF	P 1000PF, J, 50V	1	
C821	ECJ2XC1H471J	C 470PF, J, 50V	1	
C822	ECEA1HKA4R7	E 4.7UF, 50V	1	
C823	ECJ2XF1H224Z	C 0.22UF, Z, 50V	1	ECJ2VF1H224Z
C824,25	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C826	ECA1VM101	E 100UF, 35V	1	
C827	ECA1CHG221	E 220UF, 16V	1	
C828	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C832,33	EEUFC1V152	E 1500UF, 35V	2	
C834	EEUFC1C332	E 3300UF, 16V	1	
C835	EEUFC1V152	E 1500UF, 35V	1	
C836	ECA1VM101	E 100UF, 35V	1	
C838	ECA1CM471	E 470UF, 16V	1	
C839-41	EEUFC1V561	E 560UF, 35V	3	F2A1V561A085
C842-44	ECJ2VF1H152Z	C 1500PF, Z, 50V	3	
C845	EEUFC1C681	E 680UF, 16V	1	
C846,47	EEUFC1A681	E 680UF, 16V	2	
C848	ECA1CM471	E 470UF, 16V	1	
C849-51	ECJ2VF1C105Z	C 1UF, Z, 16V	3	
C852-55	ECA1CM471	E 470UF, 16V	4	
C856	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C857	ECA1CM471	E 470UF, 16V	1	
C858	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C859	ECJ2XF1H224Z	C 0.22UF, Z, 50V	1	ECJ2VF1H224Z
C860	ECA1EM471	E 470UF, 25V	1	
C862	ECJ2VF1H152Z	C 1500PF, Z, 50V	1	
C863	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C864	ECA1EM471	E 470UF, 25V	1	
C865	ECQV1H334JM	P 0.33UF, J, 50V	1	

-----|-----|-----|-----|-----|

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C866	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C867	ECA1CM471	E 470UF, 16V	1	
C868	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C869	ECA1CM102	E 1000UF, 16V	1	
C870	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C871	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C874,75	ECJ2XB1H102J	C 1000PF, J, 50V	2	
C877	ECKD3A561KBP	C 560PF, K, 1KV	1	
C878-81	ECJ2XB1H102J	C 1000PF, J, 50V	4	
C882-91	ECJ2VF1H152Z	C 1500PF, Z, 50V	10	
C896	ECJ2XB1C473K	C 0.047UF, K, 16V	1	
C897	ECJ2VF1E104Z	C 0.1UF, Z, 25V	1	
C948	ECJ2XB1C154K	C 0.15PF, K, 16V	1	
C949	F2H1E331A010	E 330UF, 25V	1	
C950	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C951	EEVHB0J152	E 1500UF, 6.3V	1	
C952	ECJ2XB1C154K	C 0.15PF, K, 16V	1	
C959	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C962	EEVHB0J152	E 1500UF, 6.3V	1	
C963	F2H1E331A010	E 330UF, 25V	1	
C964	ECJ2XB1H103J	C 0.01UF, J, 50V	1	
C965	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C966	EEVHB0G101	E 100UF 4V	1	
C967	ECJ2XB1H103J	C 0.01UF, J, 50V	1	
C968	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C969	EEVHB0G101	E 100UF 4V	1	
C1001	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C1002	EEVHB1E330	E 33UF, 16V	1	
C1003	EEVHB1H2R2	E 2.2UF, 50V	1	EEVHB1H2R2R
C1005	EEVHB1C470	E 47UF, 16V	1	
C1008	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1009	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C1010	EEVHB1C470	E 47UF, 16V	1	
C1011,12	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C1013	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C1014	EEVHB1C470	E 47UF, 16V	1	
C1015	EEVHB0G221	E 220UF, 4V	1	
C1018	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1020	ECJ2XC1H680J	C 68PF, J, 50V	1	
C1022	ECJ2XC1H680J	C 68PF, J, 50V	1	
C1030	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1031	EEVHB0G101	E 100UF 4V	1	
C1032	ECJ2XC1H561J	C 560PF, J, 50V	1	
C1033	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1041,42	ECJ2XC1H471J	C 470PF, J, 50V	2	
C1043-47	ECJ2VF1H103Z	C 0.01UF, Z, 50V	5	
C1048	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C1049,50	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C1051	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1051	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C1052	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C1054	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1055,56	ECKF1H103ZF	C 0.01UF, Z, 50V	2	
C1078,79	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1080	ECJ2XB1H392K	C 3900PF, K, 50V	1	
C1081	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1083	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C1084	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1085	ECJ2XC1H220J	C 22UF, J, 50V	1	
C1086	ECJ2XB1A105K	C 1UF, K, 10V	1	
C1087	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1088	ECJ2XC1H270J	C 27PF, J, 50V	1	
C1089,90	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C1091,92	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C1093,94	ECJ2XC1H561J	C 560PF, J, 50V	2	
C1095,96	ECJ2XC1H471J	C 470PF, J, 50V	2	
C1104	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C1106-09	ECJ1VB1C103K	C 0.01UF, K, 16V	4	
C1142	EEVHB0G101	E 100UF 4V	1	
C1143	ECJ2XB1H392K	C 3900PF, K, 50V	1	
C1144	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1145	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C1146,47	ECJ2XC1H101J	C 100PF, J, 50V	2	
C1148	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1149	ECJ2XC1H220J	C 22UF, J, 50V	1	
C1150	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1151	ECJ2XB1A105K	C 1UF, K, 10V	1	
C1152	ECJ2XC1H270J	C 27PF, J, 50V	1	
C1153	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C1154	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1155	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C1156	ECJ2XC1H101J	C 100PF, J, 50V	1	
C1157	EEVHP1E220	E 22UF, 25V	1	
C1158	ECJ2XC1H220J	C 22UF, J, 50V	1	
C1159	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C1160	ECJ2XC1H220J	C 22UF, J, 50V	1	
C1161	EEVHP1E220	E 22UF, 25V	1	
C1162	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C1165	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C1166,67	EEVHP1E220	E 22UF, 25V	2	
C1168	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C1169	ECJ2XC1H561J	C 560PF, J, 50V	1	
C1170-72	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C1175	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C1176,77	ECJ1VB1C103K	C 0.01UF, K, 16V	2	
C2202	ECA1HM2R2	E 2.2UF, 50V	1	
C2203	ECA1HM4R7	E 4.7UF, 50V	1	
C2204	ECSF1CE106V	T 10UF, 16V	1	
C2205	ECA1HM010	E 1UF, 50V	1	
C2206	ECQB1H223JF	P 0.022UF, J, 50V	1	
C2207	ECSF1CE335V	T 3.3UF, 16V	1	
C2208-10	ECJ2VB1C104K	C 0.1UF, K, 16V	3	
C2211	ECA1HM100	E 10UF, 50V	1	
C2212	ECQB1H473JF	P 0.047UF, J, 50V	1	
C2215	ECA1CM101	E 100UF, 16V	1	
C2218	ECA1HMR47	E 0.47UF, 50V	1	
C2301,02	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C2303	ECJ2XC1H561J	C 560PF, J, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2304	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C2305	ECJ2XC1H471J	C 470PF, J, 50V	1	
C2306	ECJ2XB1H102K	C 1000PF, K, 50V	1	ECJ2XB1H682K
C2307,08	ECEA1HN010U	E 1UF, 50V	2	
C2309	ECJ2XC1H471J	C 470PF, J, 50V	1	
C2310	EEUFC1E182	E 1800UF, 25V	1	
C2311	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2312	EEUFC1E182	E 1800UF, 25V	1	
C2313	ECJ2XC1H331J	C 330PF, J, 50V	1	
C2314	ECQB1H104JF	P 0.1UF, J, 50V	1	ECQB1H224JF
C2315	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2316	ECJ2XB1H102K	C 1000PF, K, 50V	1	ECJ2XB1H682K
C2318	ECJ2XC1H331J	C 330PF, J, 50V	1	
C2319,20	ECEA1HN010U	E 1UF, 50V	2	
C2321	ECJ2XC1H471J	C 470PF, J, 50V	1	
C2322	ECJ2XC1H270J	C 27PF, J, 50V	1	
C2323	ECJ2XC1H471J	C 470PF, J, 50V	1	
C2324	ECJ2XC1H561J	C 560PF, J, 50V	1	
C2325	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C2326	EEUFC1E182	E 1800UF, 25V	1	
C2327	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2328	EEUFC1E182	E 1800UF, 25V	1	
C2329	TCUY1C225ZFN	C 2.2UF, 16V	1	F1J1C225A083
C2330	ECA50YT2R2K	E 2.2UF, 50V	1	
C2332	ECQB1H104JF	P 0.1UF, J, 50V	1	ECQB1H224JF
C2334	ECA50YT2R2K	E 2.2UF, 50V	1	
C2337,38	ECA1VM101	E 100UF, 35V	2	
C2344,45	ECJ2XF1H104Z	C 0.1UF, Z, 50V	2	
C2424	ECEA1CKA100	E 10UF, 16V	1	
C2426	ECEA1CKA101	E 100UF, 16V	1	
C2427	ECEA1CKA100	E 10UF, 16V	1	
C2428	ECEA1CKA101	E 100UF, 16V	1	
C2429	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2451	ECEA1CKA101	E 100UF, 16V	1	
C2452	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2453	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C2454	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2455	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C2456	ECJ2XC1H222J	C 2200PF, J, 50V	1	
C2457,58	ECJ2VB1H333K	C 0.033UF, K, 50V	2	
C2459	ECEA1EKN100	E 10UF, 25V	1	
C2460	ECJ2XB1H332K	C 3300PF, K, 50V	1	
C2461	ECEA1EKN100	E 10UF, 25V	1	
C2462,63	ECEA1HKA4R7	E 4.7UF, 50V	2	
C2464	ECJ2XB1H332K	C 3300PF, K, 50V	1	
C2465,66	ECJ2VB1H333K	C 0.033UF, K, 50V	2	
C2467,68	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C2469	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2473	ECEA1HKA4R7	E 4.7UF, 50V	1	
C2474	ECEA1CKA101	E 100UF, 16V	1	
C2475	ECEA1HKA4R7	E 4.7UF, 50V	1	
C2505	ECEA1CKA101	E 100UF, 16V	1	
C2510	ECEA1CKA101	E 100UF, 16V	1	
C2528,29	ECEA1CKA470	E 47UF, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2532	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2533	ECEA0JKA331	E 330UF, 6.3V	1	
C2534	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2535	ECEA0JKA331	E 330UF, 6.3V	1	
C2536	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2537	ECEA0JKA331	E 330UF, 6.3V	1	
C2538	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2539	ECJ2XB1C154K	C 0.15PF, K, 16V	1	
C2540,41	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C2542	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2543	ECHS1H102FZ	P 1000PF, F, 50V	1	
C2544	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2545-47	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C2549	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2550	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2551	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2552	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2554	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2555	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2556	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2557	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2558	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2560	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2567	ECEA1CKA470	E 47UF, 16V	1	
C2568,69	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C2570	ECJ2XC1H221J	C 220PF, J, 50V	1	
C2571	ECEA1CKA470	E 47UF, 16V	1	
C2572	ECJ2XC1H101J	C 100PF, J, 50V	1	
C2575	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2576	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2579	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C2580-82	ECEA1HKA4R7	E 4.7UF, 50V	3	
C2583	ECEA1HKA2R2	E 2.2UF, 50V	1	
C2584	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2585	ECJ2XC1H101J	C 100PF, J, 50V	1	
C2586	ECEA1AKN470	E 47UF, 10V	1	ECEA1AKN470B
C2589	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2590,91	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C2592	ECEA1CKN100	E 10UF, 16V	1	
C2593	ECEA1CKA101	E 100UF, 16V	1	
C2594	ECEA1CKA470	E 47UF, 16V	1	
C2595	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2596	ECEA1AKN470	E 47UF, 10V	1	ECEA1AKN470B
C2597	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2598	ECEA1CKA220	E 22UF, 16V	1	
C2599	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2600	ECHS1H103FZ	P 0.01UF, F, 50V	1	
C2613-15	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C2616-18	ECJ2XC1H220J	C 22UF, J, 50V	3	
C2626	ECEA1CKA470	E 47UF, 16V	1	
C2702	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2703	ECA1VM470	E 47UF, 35V	1	
C2704,05	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C2706	ECEA1CN100U	E 10UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2707	ECA1VM470	E 47UF, 35V	1	
C2708	ECEA1CN100U	E 10UF, 16V	1	
C2709	ECA1HM330	E 33UF, 50V	1	
C2710	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2711	ECA1HM330	E 33UF, 50V	1	
C2712	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2713	ECA1HM330	E 33UF, 50V	1	
C2714-18	ECJ2XB1H103K	C 0.01UF, K, 50V	5	
C2719	ECJ2XB1C154K	C 0.15PF, K, 16V	1	
C2720,21	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C2722-24	ECA0JM471	E 470UF, 6.3V	3	
C3000,01	ECA1EM471	E 470UF, 25V	2	
C3002-11	ECJ2VF1C105Z	C 1UF, Z, 16V	10	
C3012	ECEA1CKA101	E 100UF, 16V	1	
C3013	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3014	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3015	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3017	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3018	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3022	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C3023-25	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3026,27	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C3028-33	ECJ2VF1C105Z	C 1UF, Z, 16V	6	
C3034	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C3035	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3036-44	ECJ2XB1H102K	C 1000PF, K, 50V	9	
C3045	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3046	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3047	ECEA1CKA470	E 47UF, 16V	1	
C3048-54	ECJ2VF1C105Z	C 1UF, Z, 16V	7	
C3055-58	ECJ2XB1H102K	C 1000PF, K, 50V	4	
C3059	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3060	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C3061	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3062,63	ECJ2XC1H220J	C 22UF, J, 50V	2	
C3064-71	ECJ2VF1C105Z	C 1UF, Z, 16V	8	
C3072,73	ECJ2XB1H102K	C 1000PF, K, 50V	2	
C3074,75	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3076,77	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C3081,82	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C3083-88	ECJ2VF1C105Z	C 1UF, Z, 16V	6	
C3089	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C3090	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3091	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C3092-94	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3096	ECA1EM471	E 470UF, 25V	1	
C3107	ECEA1CKA100	E 10UF, 16V	1	
C3108-11	ECJ2VF1C105Z	C 1UF, Z, 16V	4	
C3112	ECEA1CKA470	E 47UF, 16V	1	ECJ2VF1C105Z
C3113-16	ECJ2VF1C105Z	C 1UF, Z, 16V	4	
C3117	ECEA1CKA470	E 47UF, 16V	1	ECJ2VF1C105Z
C3119	ECEA1CKA100	E 10UF, 16V	1	
C3213-15	ECEA1CKA101	E 100UF, 16V	3	
C3216	ECA1EM471	E 470UF, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3474	ECJ2XB1H103J	C 0.01UF, J, 50V	1	
C3475	ECEA1HN010U	E 1UF, 50V	1	
C9000	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9001	EEVHB1C470	E 47UF, 16V	1	
C9005	ECJ2XC1H220J	C 22UF, J, 50V	1	
C9009,10	ECJ2XC1H101J	C 100PF, J, 50V	2	ECJ2XC1H470J
C9011-17	ECJ1XF1C104Z	C 0.1UF, Z, 16V	7	
C9018	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9021-24	ECJ1XB0J105K	C 1UF, K, 16V	4	
C9025	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9026	EEFCD0G560R	56UF,	1	
C9027	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9028-33	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9034	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C9035	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9037	EEVHB0G101	E 100UF 4V	1	
C9038	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9040-62	ECJ1XF1C104Z	C 0.1UF, Z, 16V	23	
C9064	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9065	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9066	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C9067	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9068	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9069	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9070	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9071	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9073	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9074	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9075	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9076	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9077	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9078	ECJ1XC1H330J	C 33PF, J, 50V	1	
C9080	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9081	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9082	ECJ1XC1H680J	C 68PF, J, 50V	1	
C9083	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9084	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9086	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9087-89	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9090	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9091	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9092	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9093	ECJ1XC1H330J	C 33PF, J, 50V	1	
C9095	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9096	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9097	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C9098	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9099	ECJ1XC1H680J	C 68PF, J, 50V	1	
C9100	ECJ1XC1H471J	C 470PF, J, 50V	1	
C9101	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9102-11	ECJ1VF1A105Z	C 1UF, Z, 10V	10	
C9112-15	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9116	ECJ1XB0J105K	C 1UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9117	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9118,19	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9120,21	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C9122	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9123	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9124	EEVHB0G101	E 100UF 4V	1	
C9125,26	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C9127,28	ECJ1XC1H150J	C 15PF, J, 50V	2	
C9129	EEVHB0G101	E 100UF 4V	1	
C9130	ECJ1XC1H220J	C 22PF, J, 50V	1	
C9131	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9132-34	ECJ1VF1A105Z	C 1UF, Z, 10V	3	
C9135	ECJ2XC1H680J	C 68PF, J, 50V	1	
C9138	ECJ2XC1H150J	C 15PF, J, 50V	1	
C9141,42	ECJ1XC1H470J	C 47PF, J, 50V	2	
C9144	EEFCD0G560R	56UF,	1	
C9145	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9146,47	ECJ1XB0J105K	C 1UF, K, 16V	2	
C9148	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9150	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9151-53	ECJ1XB0J105K	C 1UF, K, 16V	3	
C9155	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9156	EEVHB1C470	E 47UF, 16V	1	
C9158	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9159	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9160	EEVHB0G221	E 220UF, 4V	1	
C9162	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9163	EEVHB0G221	E 220UF, 4V	1	
C9164	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9165-75	ECJ1XF1C104Z	C 0.1UF, Z, 16V	11	
C9176,77	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C9178-81	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9182	ECJ1XC1H680J	C 68PF, J, 50V	1	
C9183	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9184	ECJ1XC1H330J	C 33PF, J, 50V	1	
C9185-91	ECJ1XF1C104Z	C 0.1UF, Z, 16V	7	
C9192	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9193,94	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9195	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C9197	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9198-03	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9204	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9205	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9206,07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9208,09	ECJ1VF1A105Z	C 1UF, Z, 10V	2	
C9210,11	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9212	ECJ1XC1H471J	C 470PF, J, 50V	1	
C9213-17	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9218	ECJ1XB0J105K	C 1UF, K, 16V	1	
C9219-23	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9224	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9225	EEVHB0G101	E 100UF 4V	1	
C9226-33	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9234	EEVHB0G101	E 100UF 4V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9235-38	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9241-43	ECJ4XB1C106K	C 0.10UF, K, 16V	3	ECJ4YB1C106K
C9244	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9245	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9246	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9247	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9248,49	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9250,51	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9252,53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9254	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9255	EEVHB0G101	E 100UF 4V	1	
C9256	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9257	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9258	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C9259	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9261	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C9262	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9263,64	EEVHB1C470	E 47UF, 16V	2	
C9265-67	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9268-71	EEVHB0J330	E 33UF, 6.3V	4	
C9272,73	EEVHB0G101	E 100UF 4V	2	EEVHB0G101R
C9274	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9277,78	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C9280	EEVHB0G101	E 100UF 4V	1	EEVHB0G101R
C9282	EEVHB0J330	E 33UF, 6.3V	1	
C9284	EEVHB0J330	E 33UF, 6.3V	1	
C9286	EEVHB0J330	E 33UF, 6.3V	1	
C9287,88	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9289	EEVHB1C470	E 47UF, 16V	1	
C9291	EEVHB0J330	E 33UF, 6.3V	1	
C9293	EEVHB0J330	E 33UF, 6.3V	1	
C9295	EEVHB0J330	E 33UF, 6.3V	1	
C9296	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9297	EEVHB0J330	E 33UF, 6.3V	1	
C9298,99	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9300,01	TCUY0J335MBM	C 3.3UF, 6.3V	2	F1K0J335A003
C9302,03	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9305	EEVHB0G101	E 100UF 4V	1	
C9306-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9314	EEVHB0G101	E 100UF 4V	1	
C9315-17	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9318,19	ECJ1VB1C473K	C 0.047UF, K, 16V	2	
C9320	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9321	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9322	ECJ1VB1C473K	C 0.047UF, K, 16V	1	
C9323	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9324-26	ECJ1VB1C473K	C 0.047UF, K, 16V	3	
C9327	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9334	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9335	ECJ2YB0J335K	C 3.3UF, Z, 6.3V	1	ECJ1XF1C104Z
C9336	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9337	ECJ1VB1H392K	C 3900PF, K, 50V	1	
C9338	ECJ1XB1C393K	C 0.039UF, K, 16V	1	
C9341	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9342,43	ECJ2YB0J335K	C 3.3UF, Z,6.3V	2	ECJ1XF1C104Z
C9344	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9345	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9346	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9347-50	ECJ2YB0J335K	C 3.3UF, Z,6.3V	4	ECJ1XF1C104Z
C9353	ECJ1XC1H680J	C 68PF, J, 50V	1	
C9355	ECJ1VB1C103K	C 0.01UF, K, 16V	1	
C9356	ECJ2XC1H101J	C 100PF, J, 50V	1	
C9373	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9374,75	EEVHB0G101	E 100UF 4V	2	
C9376-80	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9382-84	EEVHB0G221	E 220UF, 4V	3	
C9385	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C9387	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9388	ECJ1VB1H103K	C 0.01UF, K, 50V	1	
C9389,90	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9391	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9392	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9393	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9394	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9395	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9396	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9397	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9398,99	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9400	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9401	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9402	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9403	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9404	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9405	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9406	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9407	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9408	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9409	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9410	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9411	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9412	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9413	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9414	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9415	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9416	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9417	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9418	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9419	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9420	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9421	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9422	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9423	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9424	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9425	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9426	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9427	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9428	TCUY0J685MBM	C 6.8UF, 6.3V	1	F1K0J685A003
C9430	ECJ2VF1C105Z	C 1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9432	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9434	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9435	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9437	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9438	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9440	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9441,42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9443	ECJ2XC1H180J	C 18PF, J, 50V	1	
C9444	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9447	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9449-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9455,56	TCUY0J685MBM	C 6.8UF, 6.3V	2	F1K0J685A003
C9457,58	EEVHB0G221	E 220UF, 4V	2	
C9460	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9462,63	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9465	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9467	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9469	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9486	ECJ1XC1H180J	C 18PF, J, 50V	1	
C9487	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9488,89	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9490	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9492	ECJ1VB1H682K	C 6800PF, K, 50V	1	
C9493	ECJ1VB1H562K	C 5600PF, K, 50V	1	
C9494	ECJ2XB1C334K	C 0.33UF, K, 16V	1	
C9495	ECJ2VB1C224K	C 0.22UF, K, 16V	1	
C9499-01	EEVHB1C100	E 10UF, 16V	3	
C9502	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9503-06	TCUY0J335MBM	C 3.3UF, 6.3V	4	F1K0J335A003
C9509	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C9511-17	ECJ1XF1C104Z	C 0.1UF, Z, 16V	7	
C9518	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C9519,20	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9523-36	ECJ1XF1C104Z	C 0.1UF, Z, 16V	14	
C9538	ECJ4YB0J226M	C 0.26UF, M, 16V	1	
C9539-41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9542	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C9543	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9545	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9547,48	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9549	TCUY0J335MBM	C 3.3UF, 6.3V	1	F1K0J335A003
C9552-54	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9555	ECJ2XC1H180J	C 18PF, J, 50V	1	
C9556	ECJ1XC1H680J	C 68PF, J, 50V	1	
C9557	ECJ2XC1H150J	C 15PF, J, 50V	1	
C9558	ECJ1XC1H680J	C 68PF, J, 50V	1	
C9560	ECJ2XC1H220J	C 22UF, J, 50V	1	
C9561	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9574	ECJ2XC1H150J	C 15PF, J, 50V	1	
C9606	EEVHB0G101	E 100UF 4V	1	
C9607,08	TCUY0J335MBM	C 3.3UF, 6.3V	2	F1K0J335A003
C9609	EEVHB0J470	E 47UF, 6.3V	1	
C9610	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9611	EEVHB0G221	E 220UF, 4V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9612	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9613,14	ECJ0EF1H103Z	C 0.01UF, Z, 50V	2	
C9615	EEVHB0G101	E 100UF 4V	1	
C9616	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9617	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9618	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9619	EEVHB0G101	E 100UF 4V	1	
C9620,21	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9635	ECJ1XB1H471K	C 470UF, K, 16V	1	
C9701,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9704	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9705	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C9706,07	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9709	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9710	EEVHB0G101	E 100UF 4V	1	
C9712-15	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9717-22	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9723	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9724-27	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9728	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C9729-32	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C9734	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9736-47	ECJ1XF1C104Z	C 0.1UF, Z, 16V	12	
C9750	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9751,52	EEVHB0G221	E 220UF, 4V	2	
C9753,54	F1L1C1060031	C 10UF, 16V	2	
C9755-60	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9762-66	ECJ1XF1C104Z	C 0.1UF, Z, 16V	5	
C9767	EEVHB0G101	E 100UF 4V	1	
C9768-73	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9775-80	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9781	EEVHB0G101	E 100UF 4V	1	
C9782-94	ECJ1XF1C104Z	C 0.1UF, Z, 16V	13	
C9795	EEVHB0G101	E 100UF 4V	1	
C9796-01	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9802	EEVHB0G101	E 100UF 4V	1	
C9803-08	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9809	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C9810-15	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9817-22	ECJ1XF1C104Z	C 0.1UF, Z, 16V	6	
C9823	EEVHB0J470	E 47UF, 6.3V	1	
C9824-31	ECJ1XF1C104Z	C 0.1UF, Z, 16V	8	
C9832,33	ECJ1XC1H680J	C 68PF, J, 50V	2	
C9834	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9835,36	ECJ1XC1H680J	C 68PF, J, 50V	2	
C9837,38	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9839	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841	ECJ1XC1H060D	C 6PF, D, 50V	1	
C9842	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844,45	ECJ1XC1H180J	C 18PF, J, 50V	2	
C9846	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9847	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9850	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9855	EEVHB0G101	E 100UF 4V	1	
C9857	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9859	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C9860	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9862	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9863	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C9866	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9868	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9869	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9871	ECJ1XC1H121J	C 120PF, J, 50V	1	
C9872,73	EEVHB1C470	E 47UF, 16V	2	
C9876	ECJ1XC1H331J	C 330PF, J, 50V	1	
C9877	EEVHB1C470	E 47UF, 16V	1	
C9878	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9879	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9880	ECJ1VB1H272K	C 2700PF, K, 50V	1	
C9881	ECJ1XC1H271J	C 270PF, J, 50V	1	
C9882	EEVHB1H2R2	E 2.2UF, 50V	1	EEVHB1H2R2R
C9883	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9884	EEVHB0J101	E 100UF, 6.3V	1	EEVHB0J101P
C9885-88	ECJ1VC1H270J	C 27PF, J, 50V	4	
C9891	ECJ1VC1H270J	C 27PF, J, 50V	1	
C9892	EEVHB1C470	E 47UF, 16V	1	
C9893	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C9900	ECJ1XC1H151J	C 150PF, J, 50V	1	
C9901	ECJ3VB1C104K	C 0.10UF, K, 16V	1	
C9902	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9903,04	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9905	EEVHB1C470	E 47UF, 16V	1	
C9906	EEVHB0G101	E 100UF 4V	1	
C9907	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9911	ECJ1VF1C474Z	C 0.47UF, Z, 16V	1	
C9914	ECJ1XC1H561J	C 560PF, J, 50V	1	
C9917-27	ECJ2XB1E104K	C 0.1UF, K, 25V	11	
C9928	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9929-31	ECJ2XB1E104K	C 0.1UF, K, 25V	3	
C9932	EEVHB0J330	E 33UF, 6.3V	1	
C9933	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C9934,35	EEVHB0J330	E 33UF, 6.3V	2	
C9937	EEVHB0J470	E 47UF, 6.3V	1	
C9938,39	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9940-44	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9945	EEVHB1C470	E 47UF, 16V	1	
C9950	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
D001,02	MA4150H	ZENER DIODE	2	MAZ41500H
D351,52	MA720	DIODE	2	MA3X720
D401-07	MA720	DIODE	7	MA3X720
D408	MA3056M	ZENER DIODE	1	MAZ30560M
D409	MA153	DIODE	1	MA3X153
D410	MA720	DIODE	1	MA3X720
D411,12	AG01A	DIODE	2	
D414-17	MA720	DIODE	4	MA3X720
D418,19	AG01A	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D420	B0HBSP000011	DIODE	1	B0HARR000007
D421	AG01A	DIODE	1	
D422	MA3068M	ZENER DIODE	1	MAZ30680M
D423	MA704A	DIODE	1	MA3X704A
D424	MA152K	DIODE	1	MA3X152K
D425,26	MA158	DIODE	2	MA3X158
D427	B2ZA0000012	DIODE	1	
D428,29	MA720	DIODE	2	MA3X720
D430-32	AG01A	DIODE	3	
D433	MA3068M	ZENER DIODE	1	MAZ30680M
D434,35	MA158	DIODE	2	MA3X158
D436,37	MA720	DIODE	2	MA3X720
D438,39	AG01A	DIODE	2	
D801	ERZV14D471	VARISTOR	1	▲
D802	B0FBAQ000002	D15XB80F14 OR B0FBBR00001	1	
D804	TMPG10G3	DIODE	1	B0BA01000046
D805	MA178	DIODE	1	MA2C178
D806	MA700A	DIODE	1	MA2C700A
D807	MAZ32700LL	ZENER DIODE	1	
D808	MA29WB	DIODE	1	
D809	MA700A	DIODE	1	MA2C700A
D810,11	AU01Z	DIODE	2	B0HAGM000011
D812	B0JCME000025	DIODE	1	
D830,31	MA6D90	DIODE	2	MA3D690
D832	ERC91-02	DIODE	1	B0HAPM000003
D834	MA6D90	DIODE	1	MA3D690
D839	MA152K	DIODE	1	MA3X152K
D840	MA3180M	ZENER DIODE	1	MAZ31800M
D841	MAZ33600HL	ZENER DIODE	1	
D842	MA3150H	ZENER DIODE	1	MAZ31500H
D843	MAZ33300HL	ZENER DIODE	1	
D844	MA3110H	ZENER DIODE	1	
D845	MA152K	DIODE	1	MA3X152K
D846	MAZ33600HL	ZENER DIODE	1	
D847	MA3075M	ZENER DIODE	1	MAZ30750M
D848	MA3150H	ZENER DIODE	1	MAZ31500H
D851,52	MA152K	DIODE	2	MA3X152K
D853	MA152	DIODE	1	
D855	MA3033L	ZENER DIODE	1	MAZ30330L
D856	MA3150H	ZENER DIODE	1	MAZ31500H
D857-60	MA152K	DIODE	4	MA3X152K
D861	MA3039L	ZENER DIODE	1	MAZ30390L
D862,63	MA152	DIODE	2	
D864	MA152K	DIODE	1	MA3X152K
D865-68	MA152	DIODE	4	
D869	MA720	DIODE	1	MA3X720
D870,71	AK04	DIODE	2	B0JAMC000003
D872	ERA15-01	DIODE	1	B0EAKL000006
D873,74	AK04	DIODE	2	B0JAMC000003
D875	MA3140M	ZENER DIODE	1	MAZ31400M
D876	MA152	DIODE	1	
D877	MA3056L	ZENER DIODE	1	MAZ30560L
D878	MA152K	DIODE	1	MA3X152K
D879	MA3036H	ZENER DIODE	1	MAZ30360H



Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D880-82	M1FS4	DIODE	3	
D883	MA3039L	ZENER DIODE	1	MAZ30390L
D884	MA152K	DIODE	1	MA3X152K
D885	MA3140M	ZENER DIODE	1	MAZ31400M
D886	MA152K	DIODE	1	MA3X152K
D887	MAZ33300HL	ZENER DIODE	1	
D951	B0JCPD000010	DIODE	1	
D953	B0JCPD000010	DIODE	1	
D954,55	MA3062L	ZENER DIODE	2	
D1001	MA3036H	ZENER DIODE	1	MAZ30360H
D1002,03	MA152K	DIODE	2	MA3X152K
D1006-08	MA152	DIODE	3	
D1101	LNH209RFRF3	DIODE	1	
D1102	MA720	DIODE	1	MA3X720
D1103	LNH209RFRF3	DIODE	1	
D1105	MA720	DIODE	1	MA3X720
D1106	LNH101WHKAF4	LED	1	
D1141	MA704	DIODE	1	MA3X704
D1142	MA152K	DIODE	1	MA3X152K
D1144	MA3033L	ZENER DIODE	1	MAZ30330L
D1175-77	MA720	DIODE	3	MA3X720
D2301	MA152K	DIODE	1	MA3X152K
D2302,03	MA165	DIODE	2	MA2C165
D2500	MA152K	DIODE	1	MA3X152K
D2502	MA152K	DIODE	1	MA3X152K
D2504	MA152	DIODE	1	
D2505,06	MA152K	DIODE	2	MA3X152K
D2508	MA152K	DIODE	1	MA3X152K
D2701,02	MA4056M	ZENER DIODE	2	MAZ40560M
D2707	MA4056M	ZENER DIODE	1	MAZ40560M
D2708-11	MA4150M	ZENER DIODE	4	MAZ41500M
D2712-17	MA165	DIODE	6	MA2C165
D3001	MA3140M	ZENER DIODE	1	MAZ31400M
D3003	MA3140M	ZENER DIODE	1	MAZ31400M
D3005-10	MA3140M	ZENER DIODE	6	MAZ31400M
D3019-24	MA3140M	ZENER DIODE	6	MAZ31400M
D3028,29	MA3140M	ZENER DIODE	2	MAZ31400M
D3050-52	B0KB00000023	DIODE	3	
D3471,72	MA165	DIODE	2	MA2C165
D3473-77	MA4110M	ZENER DIODE	5	MAZ41100M
D9007-12	MA157A	DIODE	6	MA3X157A
D9015	LN1271RTR	LED	1	
D9027-30	MA3056M	ZENER DIODE	4	MAZ30560M
D9031-33	MA111	DIODE	3	MA2J111
D9150	B0JCPD000010	DIODE	1	
D9151	B0BC01600002	DIODE	1	
D9152,53	MA152K	DIODE	2	MA3X152K
D9200-02	MA157A	DIODE	3	MA3X157A
D9900-04	LN1271RTR	LED	5	
D9906-08	MA157A	DIODE	3	MA3X157A
DG9	K1KA07A00075	7P CONNECTOR	1	
DG10	TJS3A8980	24P CONNECTOR	1	K1KB24A00028
DG11,12	TJSF07230	30P CONNECTOR	2	K1KB30A00070

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
DG13	TJSF31010	CONNECTOR	1	K1KA10A00170
DG14	TJSF12608	8P CONNECTOR	1	K1KA08A00138
DG18	K1MN20A00012	CONNECTOR	1	
DG21,22	K1KB15A00027	15P CONNECTOR	2	
DG25-28	K1KB15A00027	15P CONNECTOR	4	
DG41	TJSF31010	CONNECTOR	1	K1KA10A00170
DG42	K1KB15A00027	15P CONNECTOR	1	
DG50-52	K1MN50A00001	50P CONNECTOR	3	
DGM2,M3	K1KA07A00075	7P CONNECTOR	2	
F801-L	EYF-52BC	FUSE HOLDER	1	
F801-R	EYF-52BC	FUSE HOLDER	1	
G1,G2	K1KA15A00118	15P CONNECTOR	2	
H1,H2	TJSF06830	30P CONNECTOR	2	K1KA30A00094
H3	TJSF06724	24P CONNECTOR	1	K1KA24A00048
H5	TJS3A9890	9P CONNECTOR	1	K1KA09A00074
IC352	C1AB00001764	IC	1	
IC403-06	PC123FY2	PHOTO COUPLER	4	B3PAA0000012 
IC408	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 
IC409	AN78L09M	LINEAR IC	1	
IC410	C0DBALC00005	IC	1	
IC411	AN78L05M	LINEAR IC	1	
IC412	UPC358G2	IC	1	C0ABBA000015
IC413,14	C0ZAZ0000077	IC	2	
IC415	C0BBBAB000010	IC	1	
IC416-18	UPC358G2	IC	3	C0ABBA000015
IC419	TVRJ847	IC	1	
IC420	MN13821-R	IC	1	
IC421	24LC04BISN	ROM IC	1	C3EBEC000009
IC800	TLP721FD4GR	PHOTO COUPLER	1	B3PAA0000153 
IC801	AN8026	LINEAR IC	1	
IC802	SI-3090CA	HYBRID IC	1	C0DAZH00022
IC831	AN1431T	LINEAR IC	1	
IC832-34	SI-8050S	HYBRID IC	3	C0DAAHH00013
IC835	SI-3050F	HYBRID IC	1	C0DAZGG00006
IC836	SI-3050CA	HYBRID IC	1	C0DAZGG00006
IC837	AN1431T	LINEAR IC	1	
IC1001	TVRJ832-2	IC	1	
IC1003	C0EBE0000066	IC	1	
IC1004	24LC64T-I/SN	ROM IC	1	C3EBJC000039
IC1005	MM1437CFBE	IC	1	
IC1006	PQ1R33	IC	1	C0CBABC00037
IC1141	TVRJ831-2	IC	1	
IC1142	24LC64T-I/SN	ROM IC	1	C3EBJC000039
IC1143	C0EBE0000066	IC	1	
IC2201	AN5849SV	IC	1	
IC2301	TDA7490	IC	1	C1AA00000645
IC2401	XRA15218N	LINEAR IC	1	
IC2451	C1BB00000621	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC2501	AN5870SB	IC	1	
IC2502	TC74HC221AF	MOS IC (CMOS S/LOGIC)	1	C0JBAM000065
IC2503	SN74HC00NS	MOS IC (CMOS S/LOGIC)	1	C0JBAC000049
IC2504	M52347FP	LINEAR IC	1	C1AB00000752
IC2505	BA7078AF	IC	1	
IC2506	JLC1562BF	MOS IC (MICON LSI)	1	C0JBAZ001265
IC2700	AN5870SB	IC	1	
IC2701 02	TVRC092	IC	1	
IC2701	TVRJ696-1	IC	1	
IC2702	AN77L05M	LINEAR IC	1	
IC2811	AN77L12M	IC	1	
IC2812	AN77L05M	LINEAR IC	1	
IC3001	CXA2069Q	LINEAR IC	1	C1AB00000459
IC3002	AN15852A	IC	1	
IC3003	TC74HC4066AF	MOS IC (CMOS S/LOGIC)	1	C0JBAS000058
IC3004	AN77L09M	IC	1	
IC9000	C0DBEZG00004	IC	1	
IC9001,02	C0DBAMH00006	IC	2	
IC9003	C0DBEZG00004	IC	1	
IC9004	C3HBKZ000001	IC	1	
IC9005	C0CBCAD00007	IC	1	
IC9006	C0EBE0000066	IC	1	
IC9007	C1AB00001702	IC	1	⚠
IC9008	C0CBCAD00007	IC	1	
IC9009	C0CBCBD00005	IC	1	
IC9010	C0CBCAD00007	IC	1	
IC9012	C1AB00001703	IC	1	
IC9013	C0CBCAD00007	IC	1	
IC9014	C3ABPJ000017	IC	1	
IC9015	C0JBAZ001500	IC	1	
IC9019	C0JBAZ001488	IC	1	
IC9020	AN78L05M	LINEAR IC	1	
IC9021	C0JBAZ001500	IC	1	
IC9023	TC7SH08F	IC	1	C0JBAA000101
IC9024	C0CBCBD00005	IC	1	C0CBABB00029
IC9025	C0FBAD000067	IC	1	
IC9026	C0JBAZ001499	IC	1	
IC9027	C0JBAZ001500	IC	1	
IC9028	TC7WU04FU	IC	1	C0JBAB000339
IC9029	C0JBAZ001500	IC	1	
IC9030	PQ1R33	IC	1	C0CBABC00037
IC9033	C0DBEZG00004	IC	1	
IC9034	C0DBEZG00011	IC	1	
IC9036	C0EBE0000066	IC	1	
IC9037	C0EBE0000120	IC	1	
IC9038	TVRJ829-2	IC	1	
IC9039	C1AB00001596	IC	1	
IC9040	C3ABPJ000047	IC	1	
IC9041	TC7WU04F	MOS IC (CMOS S/LOGIC)	1	C0JBAB000307
IC9043	MM1065ZMR	LINEAR IC	1	C0CBABB00029
IC9044	C1AB00001317	IC	1	
IC9046,47	C0JBAF000405	IC	2	
IC9049-53	C0JBAF000405	IC	5	
IC9055	TC7WU04F	MOS IC (CMOS S/LOGIC)	1	C0JBAB000307

-----|-----|-----|-----|-----|-----|

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9056,57	C0JBAF000405	IC	2	
IC9063	C1ZBZ0002164	IC	1	
IC9064	C1ZBZ0002163	IC	1	
IC9065	C1AB00001714	IC	1	
IC9066	JLC1562BF	MOS IC (MICON LSI)	1	C0JBAZ001265
IC9067	C3EBDC000046	IC	1	
IC9068	TC74HC4066AF	MOS IC (CMOS S/LOGIC)	1	C0JBAS000058
IC9069,70	TC7W66FU	MOS IC (CMOS S/LOGIC)	2	
IC9071	C0EBE0000066	IC	1	
IC9700	C3ABQG000058	IC	1	
IC9701	C1AB00001763	IC	1	
IC9702	C0ZBZ0000390	IC	1	
IC9703	C0ZBZ0000700	IC	1	
IC9704	TVRJ830-2	IC	1	
IC9706	C1AB00001765	IC	1	
IC9900	C0JBAZ001531	IC	1	
IC9901	C0JBAZ001532	IC	1	
IC9902	C0JBAZ001500	IC	1	
IC9903	C0JBAZ001201	IC	1	
IC9904	TC7SH04F	MOS IC (CMOS S/LOGIC)	1	C0JBAB000297
IC9909	C0DBEZG00004	IC	1	
IC9910	TC7W14FU	MOS IC (CMOS S/LOGIC)	1	C0JBAZ001260
IC9911	C0JBAZ001488	IC	1	
IC9912	TC7SH04F	MOS IC (CMOS S/LOGIC)	1	C0JBAB000297
IC9950	C0JBAZ001500	IC	1	
J1	K1MN20B00067	CONNECTOR	1	
JA1,A2	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JK001,02	TJC6137	EARTH LUG	2	
JK802,03	TJC6137	EARTH LUG	2	
JK1101,02	TJC6137	EARTH LUG	2	
JK1121,22	TJC6137	EARTH LUG	2	
JK2300	TJC6137	EARTH LUG	1	
JK2701	TJS8A9880	CONNECTOR	1	K1FB115B0034
JK2702,03	TJC6137	EARTH LUG	2	
JK3000	TJBA077	REAR TERMINAL	1	K4BK29A00004
JK3001	TJBA190	PIN JACK TERMINAL	1	K2HA515A0001
JK3002	TJBA189	PIN JACK TERMINAL	1	K2HA824A0001
JK3003	TJBA192	PIN JACK TERMINAL	1	K2HA206A0003
JK3005	K1FB124B0020	CONNECTER	1	
JK3471	TJBA152	FRONT TERMINAL	1	K4BK23B00003
JS1-S3	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
JS5,S6	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS10-12	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
JS15	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS16	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS43,44	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS77,78	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
JS827	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS1101-04	ERDS2TC0	C 0 OHM, 1/4W	4	
JS2300,01	ERJ6GEY0R00	M 0 OHM, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
JS2303	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS9000,01	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
JS9003-08	TSK1032	CHIP INDUCTOR	6	J0JCC0000100
JS9011	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS9012	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
JS9014	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS9015-19	TSK1032	CHIP INDUCTOR	5	J0JCC0000100
JS9021	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
JS9024-32	TSK1032	CHIP INDUCTOR	9	J0JCC0000100
K1	TJS1A8090	PHONO PIN (3P)	1	K1KA03B00045
L001	ELESE330JA	PEAKING COIL	1	
L1	K1MN50B00016	50P CONNECTOR	1	
L002	ELESE330JA	PEAKING COIL	1	
L2,L3	K1MN50B00016	50P CONNECTOR	2	
L011,12	ELESE330JA	PEAKING COIL	2	
L021	ELESE330JA	PEAKING COIL	1	
L031,32	ELESE470JA	PEAKING COIL	2	
L351,52	G1C220MA0052	CHIP INDUCTOR	2	ELJPA330KF
L353	G1A4R7H00002	CHIP INDUCTOR	1	
L401	EXCCET103U	EMI FILTER	1	
L402,03	J0JCC0000150	CHIP INDUCTOR	2	
L405	G0A100H00013	CHOKE COIL	1	
L801	G0B402K00001	CHOKE COIL	1	▲
L803,04	G0B402K00001	CHOKE COIL	2	▲
L805,06	EXCELSA35	BEAD CHOKE	2	
L807	EXCELDR35C	BEAD CHOKE	1	
L808	EXCELSA35	BEAD CHOKE	1	
L809-11	EXCELSA39	BEAD CHOKE	3	
L812	EXCELSA35	BEAD CHOKE	1	
L813	EXCELSA24	BEAD CHOKE	1	
L830-32	EXCELDR35C	BEAD CHOKE	3	
L833,34	TALL08N470KA	INDUCTION COIL	2	G0A470GA0011
L835,36	TLPF095	CHOKE COIL	2	G0A221GA0001
L837-39	TALL08N470KA	INDUCTION COIL	3	G0A470GA0011
L840	TLPF095	CHOKE COIL	1	G0A221GA0001
L841	TALL08N470KA	INDUCTION COIL	1	G0A470GA0011
L843-48	EXCELDR35C	BEAD CHOKE	6	
L849,50	TALL08N470KA	INDUCTION COIL	2	G0A470GA0011
L851,52	EXCELDR35C	BEAD CHOKE	2	
L854	EXCELDR35C	BEAD CHOKE	1	
L961	TLPF097	CHOKE COIL	1	G1A1R0H00001
L962	G1C470M00012	INDUCTOR COIL	1	
L966	ELKE103FA	NOISE FILTER	1	
L967	G1C470M00012	INDUCTOR COIL	1	
L968	TLPF097	CHOKE COIL	1	G1A1R0H00001
L1001-06	EXCCL3225U1	EMI FILTER	6	
L1051-53	ELKE103FA	NOISE FILTER	3	
L1055-57	ELKE103FA	NOISE FILTER	3	
L2201	ELJPA100KB	CHIP INDUCTOR	1	
L2304	ELC12E330	CHOKE COIL	1	
L2305	EXCELDR35C	BEAD CHOKE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L2306	ELC12E330	CHOKE COIL	1	
L2307,08	G0B800H00001	CHOKE COIL	2	
L2309	EXCELDR35C	BEAD CHOKE	1	
L2310,11	TALL08N330KA	INDUCTION COIL	2	G0A330GA0011
L2312,13	EXCELSA24	BEAD CHOKE	2	
L2314	TSKA038-1	BEAD CHOKE	1	J0JKB0000015
L2400	ELJPA100KB	CHIP INDUCTOR	1	
L2501-04	ELJPA100KB	CHIP INDUCTOR	4	
L2507,08	ELJPA100KB	CHIP INDUCTOR	2	
L2512	ELJPA100KB	CHIP INDUCTOR	1	
L2516	ELJPA100KB	CHIP INDUCTOR	1	
L2600	ELJPA100KB	CHIP INDUCTOR	1	
L2701	TALL08N330KA	INDUCTION COIL	1	G0A330GA0011
L2702-04	EXCEMT220BC	EMI FILTER	3	
L3004	ELJPA100KB	CHIP INDUCTOR	1	
L9000	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9001	TALC168T2R2K	CHIP INDUCTOR COIL	1	G1C2R2K00006
L9002	TALC168T5R6K	CHIP INDUCTOR COIL	1	G1C5R6K00007
L9003	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
L9004,05	TALC168T100K	CHIP INDUCTOR COIL	2	G1C100KA0009
L9006-08	J0JCC0000241	CHIP INDUCTOR COIL	3	J0JHC0000075
L9009	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9010-13	J0JCC0000241	CHIP INDUCTOR COIL	4	J0JHC0000075
L9014-16	TLK20LFA224M	EMI FILTER	3	J0HABB000004
L9017	TALC168T5R6K	CHIP INDUCTOR COIL	1	G1C5R6K00007
L9018,19	J0JCC0000241	CHIP INDUCTOR COIL	2	J0JHC0000075
L9020	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9021,22	J0JCC0000241	CHIP INDUCTOR COIL	2	J0JHC0000075
L9023	G1C100KA0008	INDUCTOR COIL	1	
L9024	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9025	ELJPA100KB	CHIP INDUCTOR	1	
L9026-33	ELKE103FA	NOISE FILTER	8	
L9035,36	ELKE103FA	NOISE FILTER	2	
L9037	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9038-40	ELKE103FA	NOISE FILTER	3	
L9043	ELKE103FA	NOISE FILTER	1	
L9044-47	ELJPA100KB	CHIP INDUCTOR	4	
L9048,49	J0JGC0000021	CHIP INDUCTOR COIL	2	
L9050	TLK20LFA224M	EMI FILTER	1	J0HABB000004
L9051	ELKE103FA	NOISE FILTER	1	
L9052	ELJPA100KB	CHIP INDUCTOR	1	
L9053	ERJ8GEY0R00	M 0 OHM, 1/8W	1	
L9054-56	G1C100KA0008	INDUCTOR COIL	3	
L9057	ELJPA100KB	CHIP INDUCTOR	1	
L9058,59	J0JGC0000021	CHIP INDUCTOR COIL	2	
L9061	TALC168T100K	CHIP INDUCTOR COIL	1	G1C100KA0009
L9063	TALC168T100K	CHIP INDUCTOR COIL	1	G1C100KA0009
L9064,65	ELJPA100KB	CHIP INDUCTOR	2	
L9067	TALC168T2R2K	CHIP INDUCTOR COIL	1	G1C2R2K00006
L9068	TLK20LFA224M	EMI FILTER	1	J0HABB000004
L9069	ELJPA100KB	CHIP INDUCTOR	1	
L9070-82	TLK20LFA224M	EMI FILTER	13	J0HABB000004
L9083	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9084,85	TLK212T256AL	EMI FILTER	2	J0HAAB000012

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L9086-07	TLK20LFA224M	EMI FILTER	22	J0HABB000004
L9108-10	ELKE103FA	NOISE FILTER	3	
L9111	TLK20LFA224M	EMI FILTER	1	J0HABB000004
L9112	ELKE103FA	NOISE FILTER	1	
L9113-17	J0JGC0000021	CHIP INDUCTOR COIL	5	
L9118-24	TLK20LFA224M	EMI FILTER	7	J0HABB000004
L9125-29	ELJPA100KB	CHIP INDUCTOR	5	
L9130	ELJPA221KF	CHIP INDUCTOR COIL	1	J0JGC0000021
L9131	ELJPA100KB	CHIP INDUCTOR	1	
L9700	EXCCL3225U1	EMI FILTER	1	
L9701-03	J0JGC0000021	CHIP INDUCTOR COIL	3	
L9704	EXCCL3225U1	EMI FILTER	1	
L9705	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9706	ELKE103FA	NOISE FILTER	1	
L9710,11	J0JGC0000021	CHIP INDUCTOR COIL	2	
L9712	TLPF098	NOISE FILTER	1	G1A101E00002
L9713,14	ELKE103FA	NOISE FILTER	2	
L9714	J0JGC0000021	CHIP INDUCTOR COIL	1	
L9900,01	ELKE103FA	NOISE FILTER	2	
L9904	TLK20LFA224M	EMI FILTER	1	J0HABB000004
L9907,08	ELKE103FA	NOISE FILTER	2	
L9913	ELKE103FA	NOISE FILTER	1	
L9914	G1C100KA0008	INDUCTOR COIL	1	
LC354	ELKE471FA	NOISE FILTER	1	
LC3003-05	J0E2005B0004	LCR FILTER	3	
LC9714	ELKE103FA	NOISE FILTER	1	
PA1,A2	TJS3A9640	3P CONNECTOR	2	K1KA03A00171
PA3	TJS3A9650	4P CONNECTOR	1	K1KA04A00194
PA4	TJS3A9660	5P CONNECTOR	1	K1KA05A00138
PA9	TJSF45504	CONNECTOR	1	K1KA03A00181
PA11,12	K1KA15A00118	15P CONNECTOR	2	
PA13	TJS5A8630	7P CONNECTOR	1	K1KA07A00092
PB1	K1KA02A00104	2P CONNECTOR	1	
PB2	TJS5A8620	7P CONNECTOR	1	K1KB07A00030
PB3	TJS3A9880	8P CONNECTOR	1	K1KA08A00179
PB4	TJSF31010	CONNECTOR	1	K1KA10A00170
Q021,22	2SD601A	TRANSISTOR	2	2SD0601A
Q023	2SB709A	TRANSISTOR	1	2SB0709A
Q024	2SD601A	TRANSISTOR	1	2SD0601A
Q031,32	2SD601A	TRANSISTOR	2	2SD0601A
Q401	2SD601A	TRANSISTOR	1	2SD0601A
Q403	2SB709A	TRANSISTOR	1	2SB0709A
Q404-06	2SD601A	TRANSISTOR	3	2SD0601A
Q407	2SB709A	TRANSISTOR	1	2SB0709A
Q408,09	2SD601A	TRANSISTOR	2	2SD0601A
Q410,11	B1DEGQ000024	TRANSISTOR	2	
Q412,13	2SB710A	TRANSISTOR	2	2SB0710A
Q414	2SD601A	TRANSISTOR	1	2SD0601A
Q415,16	B1JABR000002	TRANSISTER	2	
Q417,18	2SB710A	TRANSISTOR	2	2SB0710A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q419,20	B1JABR000002	TRANSISTER	2	
Q801	B1DEGR000020	TRANSISTOR	1	
Q830	2SD601A	TRANSISTOR	1	2SD0601A
Q833	2SB709A	TRANSISTOR	1	2SB0709A
Q834	2SD601A	TRANSISTOR	1	2SD0601A
Q836	2SD601A	TRANSISTOR	1	2SD0601A
Q837	UN2111	TRANSISTOR	1	UNR2111
Q838	2SD601A	TRANSISTOR	1	2SD0601A
Q840	2SB709A	TRANSISTOR	1	2SB0709A
Q1000	2SB709A	TRANSISTOR	1	2SB0709A
Q1001	2SD601A	TRANSISTOR	1	2SD0601A
Q1004-06	2SB709A	TRANSISTOR	3	2SB0709A
Q1007,08	2SD601A	TRANSISTOR	2	2SD0601A
Q1009-16	2SD601A-R	TRANSISTOR	8	2SD0601AR
Q1017	2SB709A	TRANSISTOR	1	2SB0709A
Q1101	2SC3311A	TRANSISTOR	1	2SC3311AW
Q1102	2SA1309A	TRANSISTOR	1	2SA13090WA
Q1104,05	2SC3311A	TRANSISTOR	2	2SC3311AW
Q1141	2SB709A	TRANSISTOR	1	2SB0709A
Q2300,01	2SD601A	TRANSISTOR	2	2SD0601A
Q2400,01	2SD601A	TRANSISTOR	2	2SD0601A
Q2402	2SB709A	TRANSISTOR	1	2SB0709A
Q2403,04	2SD601A-R	TRANSISTOR	2	2SD0601AR
Q2500-05	2SC2778	TRANSISTOR	6	2SC27780BL
Q2507	2SD601A	TRANSISTOR	1	2SD0601A
Q2509	2SD601A	TRANSISTOR	1	2SD0601A
Q2511	2SB709A	TRANSISTOR	1	2SB0709A
Q2512-14	2SD601A	TRANSISTOR	3	2SD0601A
Q2515	2SB709A	TRANSISTOR	1	2SB0709A
Q2600-02	2SC2778	TRANSISTOR	3	2SC27780BL
Q3002	2SB709A	TRANSISTOR	1	2SB0709A
Q3004	2SB709A	TRANSISTOR	1	2SB0709A
Q3006	2SB709A	TRANSISTOR	1	2SB0709A
Q3007-10	2SD601A	TRANSISTOR	4	2SD0601A
Q3013-16	2SD601A	TRANSISTOR	4	2SD0601A
Q3017-19	2SB709A	TRANSISTOR	3	2SB0709A
Q3020	2SD601A	TRANSISTOR	1	2SD0601A
Q9001	2SD601A-R	TRANSISTOR	1	2SD0601AR
Q9002	2SD601A	TRANSISTOR	1	2SD0601A
Q9005	2SD601A	TRANSISTOR	1	2SD0601A
Q9006-08	2SB709A	TRANSISTOR	3	2SB0709A
Q9010-12	2SD1030	TRANSISTOR	3	
Q9013,14	2SD601A	TRANSISTOR	2	2SD0601A
Q9016	2SD601A	TRANSISTOR	1	2SD0601A
Q9017	2SB709A	TRANSISTOR	1	2SB0709A
Q9018	2SD601A	TRANSISTOR	1	2SD0601A
Q9019	2SB709A	TRANSISTOR	1	2SB0709A
Q9020,21	2SD1030	TRANSISTOR	2	
Q9025	2SD1030	TRANSISTOR	1	
Q9026	B1CFMD000001	TRANSISTOR	1	
Q9027	2SD601A	TRANSISTOR	1	2SD0601A
Q9028	B1CFMD000001	TRANSISTOR	1	
Q9029,30	2SD601A	TRANSISTOR	2	2SD0601A
Q9032-34	2SB709A	TRANSISTOR	3	2SB0709A

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q9035-37	2SK198R	FET	3	2SK01980R
Q9038-40	2SC2412K	TRANSISTOR	3	
Q9041	2SB709A	TRANSISTOR	1	2SB0709A
Q9042-45	2SD601A	TRANSISTOR	4	2SD0601A
Q9050	2SB709A	TRANSISTOR	1	2SB0709A
Q9051-53	2SC2412K	TRANSISTOR	3	
Q9054,55	2SD601A	TRANSISTOR	2	2SD0601A
Q9057	2SD601A	TRANSISTOR	1	2SD0601A
Q9058,59	2SB709A	TRANSISTOR	2	2SB0709A
Q9071	2SD601A	TRANSISTOR	1	2SD0601A
Q9074-79	2SD601A	TRANSISTOR	6	2SD0601A
Q9900-04	2SD601A	TRANSISTOR	5	2SD0601A
Q9906	2SD601A	TRANSISTOR	1	2SD0601A
Q9909	B1MBEDA00005	TRANSISTOR	1	
Q9911,12	B1MBEDA00005	TRANSISTOR	2	
Q9913,14	2SD601A	TRANSISTOR	2	2SD0601A
R001	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R002,03	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R004	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R021,22	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R024	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R025	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R026	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R027	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R030	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R031	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R032	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R033	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R034	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R035	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R036	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R037	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R044	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R045	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R046	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R052,53	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R054	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R056,57	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R352-59	TSK1032	CHIP INDUCTOR	8	J0JCC0000100
R360	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R361-68	TSK1032	CHIP INDUCTOR	8	J0JCC0000100
R369	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R371	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R375	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R376	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R378	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R379,80	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R383	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R387	EXB38V100J	RESISTOR ARRAY	1	
R391	EXB38V100J	RESISTOR ARRAY	1	
R392-95	ERJ3GEYJ100	M 10 OHM,J,1/16W	4	
R396	EXB38V100J	RESISTOR ARRAY	1	
R401,02	ERJ6GEY0R00	M 0 OHM, 1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R403,04	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R407,08	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R410	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R411	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R412	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R414	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R415	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R416	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R417	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R418	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R419	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R420	ERJ3GEYF563	M 56KOHM,J,1/10W	1	
R421	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R423	ERJ3GEYF393	M 3.9KOHM,J,1/16W	1	ERJ3GEYF393V
R424	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R427	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R428	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	1	
R429	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R430	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R431	EVMEA00B23	CONTROL 2KOHMB 0.3W	1	
R434	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R435	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R436	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	ERJ8GEYJ100V
R437	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R438	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R439	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R440	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	1	
R441	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R442	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R443	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R444	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R445,46	ERJ3GEYJ393	M 39KOHM,J,1/16W	2	
R448	ERJ3GEYJ393	M 39KOHM,J,1/16W	1	
R449,50	ERJ14YJ3R3	M 3.3 OHM, J,1/4W	2	ERJ14YJ3R3U
R451	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R453	ERJ3EKF1242	M12.4KOHM, 1/16W	1	
R454	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R455,56	ERJ14YJ330	M 33 OHM, J,1/4W	2	ERJ14YJ330U
R457	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R458	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R459	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R461	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R462	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R464	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	ERJ8GEYJ220V
R465	ERJ14YJ5R6	M 5.6 OHM, J,1/4W	1	ERJ14YJ5R6U
R466	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	ERJ8GEYJ100V
R467	ERJ8GEYJ220	M 22 OHM, J,1/8W	1	ERJ8GEYJ220V
R468	ERJ14YJ5R6	M 5.6 OHM, J,1/4W	1	ERJ14YJ5R6U
R469	ERJ8GEYJ100	M 10 OHM, J,1/8W	1	ERJ8GEYJ100V
R470	ERJ8GEYJ120	M 12 OHM, J,1/8W	1	
R471	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R472	ERJ8GEYJ120	M 12 OHM, J,1/8W	1	
R473	D0XGR22KA001	M 22KHM,J,1/10W	1	
R474	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R475,76	ERG2FJS910D	M 91 OHM, J, 2W	2	
R477	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R478	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R479	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R480	ERJ3GEYJ474	M 470KOHM,J,1/16W	1	
R481	ERJ3GEYJ273	M 27KOHM,J,1/16W	1	
R482	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R483	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R484	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R485	D0XGR47KA001	M 47KHM,J,1/10W	1	
R486	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R487	ERJ6ENF9531	M9.53KOHM, 1/10W	1	
R488	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R489-93	ERJ6ENF8202	M 82KOHM, 1/10W	5	
R494	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R495-98	ERG2FJS392D	M 3.9KOHM, J, 2W	4	
R499	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R500	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R501	ERJ3GEYJ123	M 12KOHM,J,1/16W	1	
R502	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R503	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R504	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R505	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R506	ERJ6ENF7501	M 7.5KOHM, 1/10W	1	
R507	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R508	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R509	ERJ6ENF6981	M6.98KOHM, 1/10W	1	
R510	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R511,12	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R513-15	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R517-21	TAJAAH0101JV	M 100 OHM,J,1/16W	5	D0GB101JA006
R522	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R524	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R525	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R527	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R529-35	TAJAAH0101JV	M 100 OHM,J,1/16W	7	D0GB101JA006
R537	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R538	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R540	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R541	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R542	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R543	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R544,45	ERJ6GEYJ223	M 22KOHM,J,1/10W	2	
R546,47	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R548,49	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R550	ERJ6GEYJ100	M 10 OHM,J,1/10W	1	
R551	D0XGR47KA001	M 47KHM,J,1/10W	1	
R553-56	ERJ8GEYJ100	M 10 OHM, J,1/8W	4	ERJ8GEYJ100V
R561	ERX2FJR47H	M0.47 OHM, J, 2W	1	
R801	ERD75TAJ825	C 8.2MOHM, J,3/4W	1	▲
R803	D1F53R3EA001	RESISTER	1	
R804	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R805	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R806,07	ERX3FJSR47D	M0.47 OHM, J, 3W	2	

-----|-----|-----|-----|-----|

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R808	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R809	ERDS1FJ100	C 10 OHM, J,1/2W	1	
R810	ERDS1FJ561	C 560 OHM, J,1/2W	1	
R811	ERDS1FJ470	C 47 OHM, J,1/2W	1	
R812	ERDS1FJ100	C 10 OHM, J,1/2W	1	
R813	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R814	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R815	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R816	ERJ6ENF6800	M 680 OHM, 1/10W	1	
R817	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R818	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R819	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R820	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R821	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R822	ERG5SJ823H	M 82KOHM, J, 5W	1	
R823	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R824	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R825	ERJ6ENF1241	M1.24KOHM, 1/10W	1	
R826	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R827	ERDS1TJ820	C 82 OHM, J,1/2W	1	ERDS1TJ101
R828	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R829	ERDS1TJ820	C 82 OHM, J,1/2W	1	ERDS1TJ101
R830	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R831	ERJ6GEYJ223	M 10KOHM,J,1/10W	1	
R832	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R833	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R834,35	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R836	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R837	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R838-46	ERJ6GEYJ102	M 1KOHM,J,1/10W	9	
R847	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R848,49	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R850	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R851	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	1	
R852	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R853-55	ERJ6GEYJ183	M 18KOHM,J,1/10W	3	
R856	ERX2FJSR22D	M0.22 OHM, J, 2W	1	
R857	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R858	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R859,60	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R861	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R862	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R863	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R864	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R865	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R866	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R867	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R868	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R869	ERJ6ENF34R0	M 34 OHM, 1/10W	1	
R870	ERJ6ENF1241	M1.24KOHM, 1/10W	1	
R871	ERJ6ENF1541	M1.54KOHM, 1/10W	1	
R872	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R873	ERJ6ENF7150	M 71.5OHM, 1/10W	1	
R874	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R875	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R876	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R877	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R878	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R879	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R880	ERJ6ENF2872	M28.7KOHM, 1/10W	1	
R883	ERDS1FJ101	C 100 OHM, J,1/2W	1	
R884	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R885	ERDS2TJ221	C 220 OHM, J,1/4W	1	
R886	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R887	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R888	ERJ6ENF2431	M2.43KOHM, 1/10W	1	
R889	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R890	ERDS1FJ100	C 10 OHM, J,1/2W	1	
R891	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R892	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R893	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R894	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R895	ERJ6ENF1132	M11.3KOHM, 1/10W	1	
R896	ERJ6ENF2001	M 2KOHM, 1/10W	1	
R897	ERJ6ENF3651	M3.65KOHM, 1/10W	1	
R898	ERJ6ENF2001	M 2KOHM, 1/10W	1	
R960	ERJ6ENF1621	M1.62KOHM, 1/10W	1	
R961	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R964,65	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R966	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R970	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R972	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R973	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1004,05	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R1006	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R1007	ERJ3GEYJ561	M 560 OHM,J,1/16W	1	
R1008	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R1010	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R1011	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1012	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R1013	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1014	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1015	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1016	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1017,18	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R1019,20	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R1021	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1022	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1023,24	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1025	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R1026	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R1027	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R1028	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R1029	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1030	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R1031	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R1032	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R1033	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1034,35	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R1036,37	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R1038	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1039	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	1	
R1040	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1041,42	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R1043-45	ERJ6GEYJ271	M 270 OHM,J,1/10W	3	
R1046	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R1047	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1048	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1049	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R1050	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R1051	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R1051	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1052	ERDS2TJ470	C 47 OHM, J,1/4W	1	
R1053	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1054	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R1055	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1061	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R1066	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R1067,68	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1070	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R1071	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R1072,73	ERJ3GEYJ223	M 22KOHM,J,1/16W	2	
R1074	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R1075,76	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R1077	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1078	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R1079,80	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1084-86	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R1087	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R1088	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R1089	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R1090	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R1091	ERJ6ENF6800	M 680 OHM, 1/10W	1	
R1092	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R1093	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R1094-97	TAJAAH0101JV	M 100 OHM,J,1/16W	4	D0GB101JA006
R1104	ERDS2TJ333	C 33KOHM, J,1/4W	1	
R1105	ERDS2TJ473	C 47KOHM, J,1/4W	1	
R1106	ERDS2TJ271	C 270 OHM, J,1/4W	1	
R1109	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R1111	ERDS2TJ103	C 10KOHM, J,1/4W	1	
R1112	ERDS2TJ223	C 22KOHM, J,1/4W	1	
R1113	ERDS2TC0	C 0 OHM, 1/4W	1	
R1114	ERDS2TJ561	C 560 OHM, J,1/4W	1	
R1115	ERDS2TC0	C 0 OHM, 1/4W	1	
R1118	ERDS2TJ223	C 22KOHM, J,1/4W	1	
R1119	ERDS2TJ272	C 2.7KOHM, J,1/4W	1	
R1122	ERDS2TJ101	C 100 OHM, J,1/4W	1	
R1124	ERDS2TC0	C 0 OHM, 1/4W	1	
R1125	ER0S2CKF8201	M 8.2KOHM, F,1/4W	1	EROS2CKF8201
R1126	ER0S2CKF4421	M4.42KOHM, F,1/4W	1	
R1128	ER0S2CKF3001	M 3KOHM, F,1/4W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1130,31	ER0S2CKF2201	M 2.2KOHM, F,1/4W	2	EROS2CHF2201
R1141	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R1142	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R1144,45	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R1146	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R1147	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R1148	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1149	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1150	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1151	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R1152,53	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R1154	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R1155	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1156	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1158	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R1159	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1160	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R1161	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1162,63	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R1164	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1165	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R1166	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1167	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1168	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1169	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R1170	ERJ6ENF6800	M 680 OHM, 1/10W	1	
R1171	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R1172	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R1173	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R1174-76	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R1177	ERJ3GEYJ333	M 33KOHM,J,1/16W	1	
R1178	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R1179	ERJ6ENF7151	M7.15KOHM, 1/10W	1	
R1180	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R1181	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R1183-89	ERJ3GEYJ102	M 1KOHM,J,1/16W	7	
R1191-93	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R1195,96	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R1203-05	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R1206,07	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	2	
R1208,09	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R1210	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1211-14	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R1215	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1216,17	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R1218	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R1219,20	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1221-23	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R1224	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1225,26	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	2	
R1227	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R1228	ERJ6GEYJ241	M 240 OHM,J,1/10W	1	
R1229	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R1230	ERJ6GEYJ241	M 240 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1231,32	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R1235	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1236	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1237	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1238-41	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R1243	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1244	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R1245	ERJ3GEYJ224	M 220KOHM,J,1/16W	1	
R1247	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R1248	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1249,50	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	2	
R1251	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R1252	ERJ6GEYJ241	M 240 OHM,J,1/10W	1	
R1253	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R1254	ERJ6GEYJ241	M 240 OHM,J,1/10W	1	
R1255,56	ERJ6GEYJ221	M 220 OHM,J,1/10W	2	
R1257	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R1258	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	1	
R1259,60	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R1261,62	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R1263	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R1264-67	ERJ3GEYJ473	M 47KOHM,J,1/16W	4	
R1268,69	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	2	
R1270	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R1271	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1272-75	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R1276	ERJ3GEYJ273	M 27KOHM,J,1/16W	1	
R1277	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R1280	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R1281	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2203	ERJ6GEYJ751	M 750 OHM,J,1/10W	1	
R2206,07	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2220	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2221	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2300	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2301	ERJ6ENF5232	M52.3KOHM, 1/10W	1	
R2302	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R2303	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R2304	ERJ6GEYJ683	M 68KOHM,J,1/10W	1	
R2305	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R2306	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2307	ERJ6ENF1303	M 130KOHM, 1/10W	1	
R2308	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R2309	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2310	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R2311	ERJ6GEYJ683	M 68KOHM,J,1/10W	1	
R2312	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2313	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R2314	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R2315	ERJ6ENF5232	M52.3KOHM, 1/10W	1	
R2316	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2318	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2321	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2322	ERJ6ENF1002	M 10KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2323	ERJ6ENF4221	M4.22KOHM, J,1/10W	1	
R2324	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2325	ERJ6ENF1501	M 1.5KOHM, J,1/10W	1	
R2338	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2350,51	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2352	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2353	ERJ6ENF2431	M2.43KOHM, J,1/10W	1	
R2354	ERJ6ENF4531	M4.53KOHM, J,1/10W	1	
R2355	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	1	
R2356	ERJ6GEYJ393	M 39KOHM,J,1/10W	1	
R2377	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2400	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2402	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2403	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R2404	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2405	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2407	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R2409	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2410	ERJ6GEYJ273	M 27KOHM,J,1/10W	1	
R2411	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2413,14	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R2415	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R2416	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2417	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R2418,19	ERJ6GEY0R00	M 0 OHM, J,1/10W	2	
R2420,21	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	2	
R2422	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2423	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2424	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2427	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2453	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R2454	ERJ6ENF6202	M 62KOHM, J,1/10W	1	
R2455	ERJ6ENF3902	M 39KOHM, J,1/10W	1	
R2458	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R2459	ERJ6ENF4701	M 4.7KOHM, J,1/10W	1	
R2460,61	ERJ6GEYJ271	M 270 OHM,J,1/10W	2	
R2517	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2518	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2519	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2520	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2521	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2522	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2523	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2524	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2525	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2526	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2527	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2528	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2529	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2530	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2531	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2533	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R2534	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R2539	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2541-43	ERJ6GEYJ3R9	M 3.9 OHM,J,1/10W	3	
R2544,45	ERJ6GEYJ330	M 33 OHM,J,1/10W	2	
R2546	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R2547	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R2548	ERJ6ENF9100	M 910 OHM, 1/10W	1	
R2549-52	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R2553-55	ERJ6ENF1200	M 120 OHM, 1/10W	3	
R2557	ERJ6GEYJ330	M 33 OHM,J,1/10W	1	
R2558-60	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R2563	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R2565	ERJ6GEYJ123	M 12KOHM,J,1/10W	1	
R2566	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R2567	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	1	
R2568	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2570	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R2572	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2574	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R2576	ERJ6GEYJ105	M 1MOHM,J,1/10W	1	
R2579	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R2581	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R2582	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2585	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R2586	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R2588,89	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2590	ERJ6GEYJ821	M 820 OHM,J,1/10W	1	
R2591	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R2592	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R2593	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R2594	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R2595	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R2596	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R2597	ERJ6ENF1000	M 100 OHM, 1/10W	1	
R2598,99	ERJ6GEYJ224	M 220KOHM,J,1/10W	2	
R2600,01	ERJ6GEYJ391	M 390 OHM,J,1/10W	2	
R2602	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2604-07	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R2608,09	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R2610	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R2611,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R2613	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R2614	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R2615	ERJ6ENF2001	M 2KOHM, 1/10W	1	
R2616,17	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R2619-24	ERJ6GEY0R00	M 0 OHM, 1/10W	6	
R2626	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2628-30	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R2644-46	ERJ6ENF1200	M 120 OHM, 1/10W	3	
R2647-49	ERJ6GEYJ103	M 10KOHM,J,1/10W	3	
R2650-52	ERJ6GEYJ221	M 220 OHM,J,1/10W	3	
R2701	ERDS2TJ331	C 330 OHM, J,1/4W	1	
R2702	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2703,04	ERJ6GEYJ330	M 33 OHM,J,1/10W	2	
R2705	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R2714	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2715	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R2716	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R2717	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R2718-20	ERJ6ENF11R5	M11.5 OHM, 1/10W	3	
R2721	ERDS2TJ472	C 4.7KOHM, J,1/4W	1	
R2722	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R2725	ER0S2CKF75R0	M 75 OHM, F,1/4W	1	EROS2CKF75R0
R2728	ER0S2CKF75R0	M 75 OHM, F,1/4W	1	EROS2CKF75R0
R2731	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2733	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2734-36	ERJ6GEYJ470	M 47 OHM,J,1/10W	3	
R2738	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R2739	ER0S2CKF75R0	M 75 OHM, F,1/4W	1	EROS2CKF75R0
R2929	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3000	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3001	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3002	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3003	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3004	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3005,06	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3007	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3008	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3009	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3010	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R3011,12	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R3013	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	
R3014	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3015	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3016	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3017,18	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3019	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3020-22	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3023-25	ERJ6GEYJ750	M 75 OHM,J,1/10W	3	
R3026	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3027	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R3028	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3029,30	ERJ6GEYJ431	M 430 OHM,J,1/10W	2	
R3033,34	ERJ6GEYJ431	M 430 OHM,J,1/10W	2	
R3035	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3036	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3038	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3039	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3040,41	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3042	ERJ6GEYJ431	M 430 OHM,J,1/10W	1	
R3044	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R3045	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3051	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3052	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R3053,54	ERJ6GEYJ184	M 180KOHM,J,1/10W	2	
R3058	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3059	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3060	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3061	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3062	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3063	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3064	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3065	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3066-68	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R3069	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3070	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3071	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3072	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3073	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3074,75	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3076	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3077	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3078	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3079	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3080	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3081,82	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R3083	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3084	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3085	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3086	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3087	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3088	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3089	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3090	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3091	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3093	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3095	ERJ6ENF5600	M 560 OHM, 1/10W	1	
R3096	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R3097	ERJ6ENF5600	M 560 OHM, 1/10W	1	
R3098	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R3099	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3101	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3103	ERJ6ENF4700	M 470 OHM, 1/10W	1	
R3104	ERJ6ENF4530	M 453 OHM, 1/10W	1	
R3105	ERJ6ENF4700	M 470 OHM, 1/10W	1	
R3106	ERJ6ENF4530	M 453 OHM, 1/10W	1	
R3107,08	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3109,10	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3111,12	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R3113-16	ERJ6GEYJ102	M 1KOHM,J,1/10W	4	
R3117	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3118	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3119	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3120	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3121	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3123	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3125	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3127,28	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3130	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3132	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3133	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3135	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3136-38	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3139	ERJ6GEYJ184	M 180KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3140-42	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3143-45	ERJ6GEYJ184	M 180KOHM,J,1/10W	3	
R3146,47	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3148-51	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R3152-54	ERJ6GEYJ220	M 22 OHM,J,1/10W	3	
R3155,56	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3157-60	ERJ6GEYJ221	M 220 OHM,J,1/10W	4	
R3161,62	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3167	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R3168	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3169	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R3170	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3171-73	ERJ6GEYJ181	M 180 OHM,J,1/10W	3	
R3174-76	ERJ6ENF1800	M 180 OHM, 1/10W	3	
R3177-79	ERJ6ENF1801	M 1.8KOHM, 1/10W	3	
R3180-82	ERJ6ENF2200	M 220 OHM, 1/10W	3	
R3183-85	ERJ6GEYJ181	M 180 OHM,J,1/10W	3	
R3186-88	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R3189-91	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3200-11	ERJ6GEY0R00	M 0 OHM, 1/10W	12	
R3471,72	ERDS2TJ184	C 180KOHM, J,1/4W	2	
R3473	ER0S2CKF75R0	M 75 OHM, F,1/4W	1	EROS2CKF75R0
R3474	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R3475,76	ER0S2CKF75R0	M 75 OHM, F,1/4W	2	EROS2CKF75R0
R3477	ERDS2TJ102	C 1KOHM, J,1/4W	1	
R9001	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9002	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9004	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R9005-07	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R9008	ERJ3EKF2700	M 270 OHM, 1/16W	1	
R9009	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9011	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9012	ERJ3EKF3300	M 330 OHM, 1/16W	1	
R9014	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9015	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R9016	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R9017	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9018	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	
R9019	ERJ3EKF2700	M 270 OHM, 1/16W	1	
R9020,21	ERJ3EKF2701	M 2.7KOHM, 1/16W	2	
R9022	ERJ3EKF3300	M 330 OHM, 1/16W	1	
R9023,24	ERJ3GEYJ821	M 820 OHM,J,1/16W	2	
R9025	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R9026	ERJ3EKF2700	M 270 OHM, 1/16W	1	
R9027-29	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R9030-32	ERJ3GEYJ330	M 33 OHM,J,1/16W	3	
R9033	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R9034,35	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R9036,37	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9038	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9039-42	TSK1032	CHIP INDUCTOR	4	J0JCC0000100
R9043-45	ERJ3EKF33R0	M0.33 OHM, 1/16W	3	
R9046,47	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9048-50	ERJ3EKF33R0	M0.33 OHM, 1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9051-53	ERJ3EKF1500	M 150 OHM, 1/16W	3	
R9054	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9055-58	TSK1032	CHIP INDUCTOR	4	J0JCC0000100
R9060-64	TSK1032	CHIP INDUCTOR	5	J0JCC0000100
R9065	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9066	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9067	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9068	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9069	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9070	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9071	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9072	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R9073	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9074-77	ERJ3EKF2701	M 2.7KOHM, 1/16W	4	
R9080	ERJ3EKF2000	M 220 OHM, 1/16W	1	
R9081-83	ERJ3EKF75R0	M 0.75HM, 1/16W	3	
R9084	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R9085	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9086	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9087	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9088	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R9089	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R9090,91	ERJ3EKF1101	M 1.1KOHM, 1/16W	2	
R9093	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R9094-96	ERJ3EKF1001	M 1KOHM, 1/16W	3	
R9097,98	ERJ3EKF1401	M 1.4KOHM, 1/16W	2	
R9099,00	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9101	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9102-04	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R9105	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9106,07	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9108	ERJ3EKF2700	M 270 OHM, 1/16W	1	
R9109	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9111	ERJ6ENF2700	M 270 OHM, 1/10W	1	
R9112	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R9114	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9115,16	ERJ3EKF2701	M 2.7KOHM, 1/16W	2	
R9117	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R9118	ERJ3EKF3300	M 330 OHM, 1/16W	1	
R9119	ERJ6ENF2700	M 270 OHM, 1/10W	1	
R9120	ERJ3EKF1501	M 1.5KOHM, 1/16W	1	
R9121	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R9122	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R9123	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R9124	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9125	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9126	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9127	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9128	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9129	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9131	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R9132	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R9133	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R9134-36	TSK1032	CHIP INDUCTOR	3	J0JCC0000100

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9137	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9138	ERJ3EKF1401	M 1.4KOHM, 1/16W	1	
R9139	ERJ3EKF1001	M 1KOHM, 1/16W	1	
R9140	ERJ3EKF33R0	M0.33 OHM, 1/16W	1	
R9141	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9142	ERJ3EKF2701	M 2.7KOHM, 1/16W	1	
R9143-47	ERJ3EKF33R0	M0.33 OHM, 1/16W	5	
R9148	ERJ3EKF4700	M 470 OHM, 1/16W	1	
R9149-51	ERJ3EKF1500	M 150 OHM, 1/16W	3	
R9152	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9155	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9156-61	TSK1032	CHIP INDUCTOR	6	J0JCC0000100
R9162,63	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R9164	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9165,66	D1HG5608A002	NETWORK RESISTER	2	
R9167,68	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9170	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9172,73	D1HG5608A002	NETWORK RESISTER	2	
R9174-82	TSK1032	CHIP INDUCTOR	9	J0JCC0000100
R9186,87	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9189	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9191	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9192	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9193	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9194-97	TSK1032	CHIP INDUCTOR	4	J0JCC0000100
R9199	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R9200,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9206-13	TSK1032	CHIP INDUCTOR	8	J0JCC0000100
R9214	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9215	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9216,17	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9220,21	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9222	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9223-25	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R9227	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9229	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9231	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9232	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9233	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9234	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9235	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9236	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9237	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9239	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R9240	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9241,42	D1HG2208A002	NETWORK RESISTER	2	
R9243	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9246	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9247-49	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R9250,51	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9252	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9253	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9254	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9255	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9256	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9257	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9258-60	ERJ3GEYJ560	M 56 OHM,J,1/16W	3	
R9261	ERJ3GEYJ563	M 56KOHM,J,1/16W	1	
R9263	ERJ3GEYJ563	M 56KOHM,J,1/16W	1	
R9264-68	TSK1032	CHIP INDUCTOR	5	J0JCC0000100
R9269	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R9270	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9271	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9272	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	1	
R9273-75	ERJ3GEYJ471	M 470 OHM,J,1/16W	3	
R9276-78	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R9279	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9280	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9281-88	TSK1032	CHIP INDUCTOR	8	J0JCC0000100
R9289-91	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R9292	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9293	ERJ3EKF1800	M 180 OHM, 1/16W	1	
R9294	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9295-97	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R9298,99	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9300	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9301	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9303,04	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9305	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9306	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9307	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9308	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9309	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9310	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R9311	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9312	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9313	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9314	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9315	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9316	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9317	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9319-21	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R9322,23	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9324,25	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9326	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9327,28	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9329,30	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9331-33	EXB38V560J	RESISTOR ARRAY	3	
R9334	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9335	EXB38V560J	RESISTOR ARRAY	1	
R9337	EXB38V560J	RESISTOR ARRAY	1	
R9338-40	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R9341-43	EXB38V560J	RESISTOR ARRAY	3	
R9346	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9348	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9349	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9350,51	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9353	ERJ3EKF4700	M 470 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9354,55	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9356	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9357	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9358	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9359	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9361	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9362	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9363	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9364-66	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R9367	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9368	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9369	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9370	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9371	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9372	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9373-78	ERJ3GEYJ471	M 470 OHM,J,1/16W	6	
R9379-81	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R9382	ERJ3GEYJ223	M 22KOHM,J,1/16W	1	
R9383	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R9384	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9385	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R9386	ERJ6ENF1200	M 120 OHM, 1/10W	1	
R9387	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9390,91	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9392	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9395-98	TSK1032	CHIP INDUCTOR	4	J0JCC0000100
R9399	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9400	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9401	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9402	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R9404	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9407	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9409,10	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9413,14	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9415	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9419-22	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9423,24	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R9425,26	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9427	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9428,29	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9431	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9435	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	1	
R9436	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9437	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9438	ERJ3GEYJ121	M 120 OHM,J,1/16W	1	
R9439	ERJ6ENF47R0	M 47 OHM, 1/10W	1	
R9441	ERJ6ENF56R0	M 56 OHM, 1/10W	1	
R9443,44	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9445	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9446-51	ERJ3GEYJ123	M 12KOHM,J,1/16W	6	
R9452-54	ERJ3GEYJ271	M 270 OHM,J,1/16W	3	
R9455-57	ERJ3GEYJ331	M 330 OHM,J,1/16W	3	
R9458-60	ERJ3GEYJ221	M 220 OHM,J,1/16W	3	
R9461-63	ERJ3GEYJ393	M 39KOHM,J,1/16W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9464-66	ERJ3GEYJ153	M 15KOHM,J,1/16W	3	
R9467-69	ERJ3GEYJ681	M 680 OHM,J,1/16W	3	
R9470	ERJ6ENF2430	M 243 OHM, 1/10W	1	
R9471,72	ERJ6ENF56R0	M 56 OHM, 1/10W	2	
R9474	ERJ6ENF2430	M 243 OHM, 1/10W	1	
R9475,76	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9477	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9478	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9479,80	ERJ3GEYJ121	M 120 OHM,J,1/16W	2	
R9481-83	TSK1032	CHIP INDUCTOR	3	J0JCC0000100
R9484-88	ERJ3GEYJ103	M 10KOHM,J,1/16W	5	
R9489,90	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9492	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9494	ERJ6ENF3901	M 3.9KOHM, 1/10W	1	
R9495	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9496	ERJ6ENF47R0	M 47 OHM, 1/10W	1	
R9497	ERJ6ENF7500	M 750 OHM, 1/10W	1	
R9498	ERJ6ENF2430	M 243 OHM, 1/10W	1	
R9499	ERJ6ENF56R0	M 56 OHM, 1/10W	1	
R9500	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9501-06	EXB38V470J	RESISTOR ARRAY	6	
R9507,08	EXB38V220J	RESISTOR ARRAY	2	
R9528	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9529	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9532	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9533,34	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R9535,36	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9612	ERJ6ENF1651	M1.65KOHM, 1/10W	1	
R9613	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9631	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9634,35	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9637	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9638,39	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9640	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9642	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9643	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9644,45	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R9647	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9649-51	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R9653	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9654	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9655	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R9656,57	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R9658	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9660	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9661	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R9662	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9663-65	ERJ3GEYJ681	M 680 OHM,J,1/16W	3	
R9666	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9667	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R9668	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R9669	ERJ3GEYJ563	M 56KOHM,J,1/16W	1	
R9671,72	ERJ3GEYJ221	M 220 OHM,J,1/16W	2	
R9684	ERJ3EKF4700	M 470 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9691	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9692	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9700	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9701	ERJ6ENF1601	M 1.6KOHM, 1/10W	1	
R9702	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R9703,04	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9709	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9711	ERJ6ENF1100	M 110 OHM, 1/10W	1	
R9712	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9713,14	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R9715,16	ERJ3GEYJ390	M 39 OHM,J,1/16W	2	
R9717,18	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9720	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9721-23	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R9724	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9725-29	EXB38V390J	RESISTOR ARRAY	5	
R9730-34	ERJ3GEYJ220	M 22 OHM,J,1/16W	5	
R9735	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9736	EXB38V390J	RESISTOR ARRAY	1	
R9737	ERJ3GEYJ390	M 39 OHM,J,1/16W	1	
R9739	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9740	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9741	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9743	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9744	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9745	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9747	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9749,50	ERJ3GEYJ111	M 110 OHM,J,1/16W	2	
R9751,52	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9753	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9755	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9758,59	EXB38V100J	RESISTOR ARRAY	2	
R9760	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9764	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9765,66	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9767	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9768-70	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	3	
R9771	ERJ6ENF2261	M2.26KOHM, 1/10W	1	
R9772	ERJ6ENF2741	M2.74KOHM, 1/10W	1	
R9776	ERJ6GEYJ301	M 300 OHM,J,1/10W	1	
R9777	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R9778	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R9779	ERJ12YJ332	M 3.3KOHM,J, 1/2W	1	
R9780-82	ERJ12YJ101	M 100 OHM,J, 1/2W	3	
R9783	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R9784	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9785,86	EXB38V100J	RESISTOR ARRAY	2	
R9787	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R9788	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	ERJ6GEYJ106V
R9792	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9793,94	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	2	
R9796	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	ERJ6GEYJ106V
R9797-00	ERJ3GEYJ330	M 33 OHM,J,1/16W	4	
R9801,02	TSK1032	CHIP INDUCTOR	2	J0JCC0000100

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9803	ERJ3GEYJ330	M 33 OHM,J,1/16W	1	
R9804	ERJ6GEYJ106	M 10MOHM,J,1/10W	1	ERJ6GEYJ106V
R9805,06	ERJ12RQJR22	M 0.22OHM, 1/2W	2	
R9807	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R9808	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R9810,11	TSK1032	CHIP INDUCTOR	2	J0JCC0000100
R9812	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9814,15	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9817	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9819	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9821	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9823	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9825	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9827	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9829,30	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9833-39	TSK1032	CHIP INDUCTOR	7	J0JCC0000100
R9842	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9843	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R9844	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9845	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9846	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9847	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9848	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R9850	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9851	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R9852	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9853-58	EXB38V220J	RESISTOR ARRAY	6	
R9861	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9862-65	D1HG2208A002	NETWORK RESISTER	4	
R9866,67	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9868	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9869	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9870,71	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R9872	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9873	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9874,75	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9876	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9877	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R9878	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9880	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9891	EXB38V330J	RESISTOR ARRAY	1	
R9892,93	EXB38V472J	RESISTOR ARRAY	2	
R9894,95	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R9896	EXB38V330J	RESISTOR ARRAY	1	
R9898	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9900	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R9901,02	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9903	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R9904,05	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9906	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R9907,08	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9909	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002
R9910,11	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9912	ERJ3GEYJ391	M 390 OHM,J,1/16W	1	D0GB391JA002

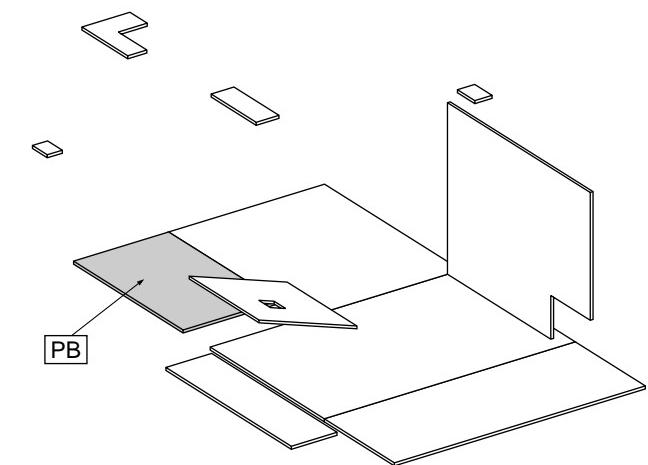
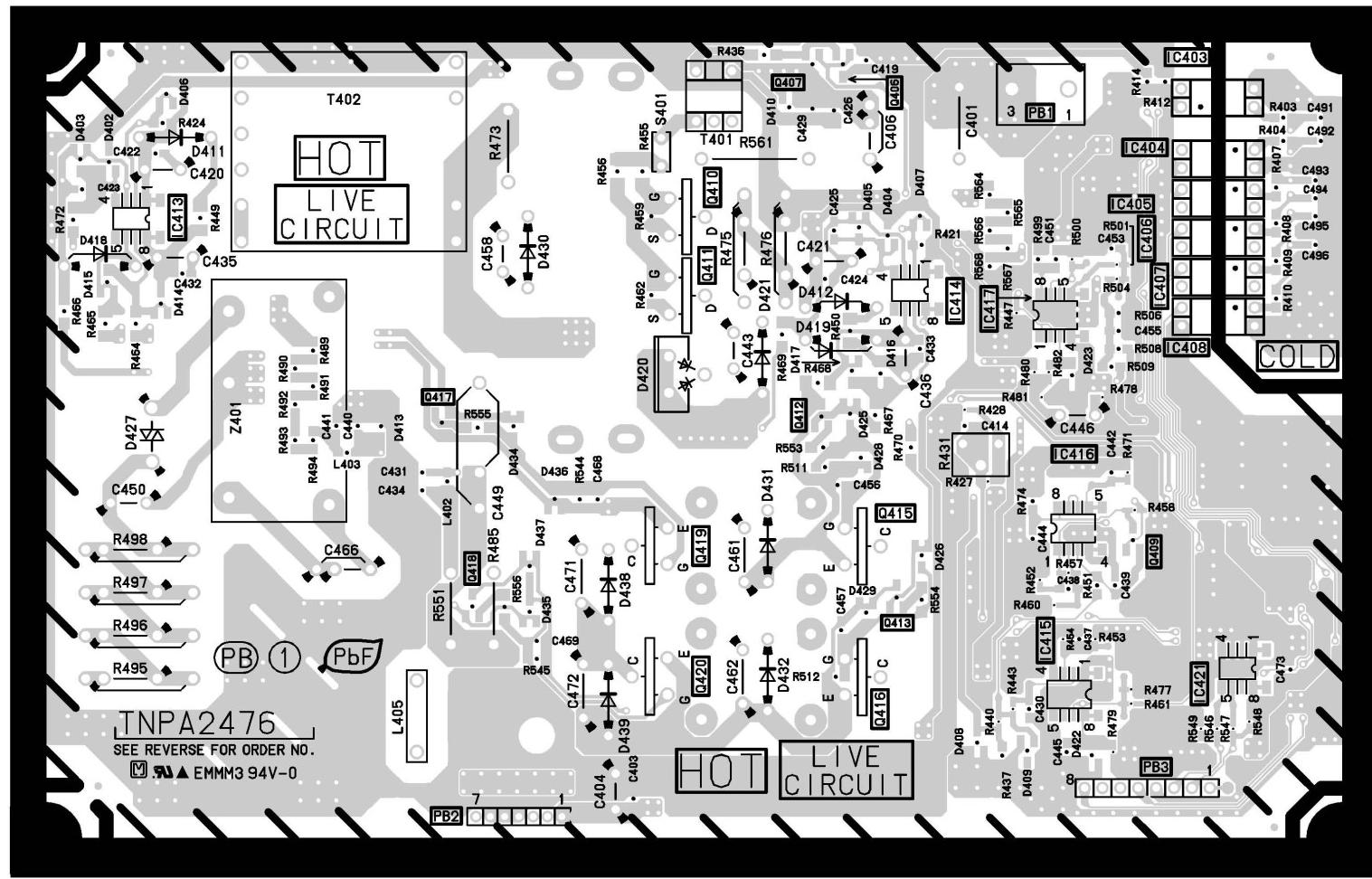
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9913	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9914	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R9915-18	ERJ3GEYJ102	M 1KOHM,J,1/16W	4	
R9919	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R9920	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R9921	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R9922	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R9923	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9924	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R9925	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9926	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9927	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R9928	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9930	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R9931	TAJAAH0101JV	M 100 OHM,J,1/16W	1	D0GB101JA006
R9936	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9940	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R9944	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	1	
R9947,48	TAJAAH0101JV	M 100 OHM,J,1/16W	2	D0GB101JA006
R9950-52	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	3	
R9954-56	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	D0GB101JA002
R9962	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9968	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9977	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9979	TSK1032	CHIP INDUCTOR	1	J0JCC0000100
R9981,82	ERJ3GEYJ184	M 180KOHM,J,1/16W	2	
R9983	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9984	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9985,86	ERJ3GEYJ184	M 180KOHM,J,1/16W	2	
R9987	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9988	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
RL801	TSEH8011	RELAY	1	K6B1AGA00043 
RL803	TSE10801	RELAY	1	K6B2AGA00017 
RM1051	PNA4601M04TV	REMOTE CONTROL RECEIVER	1	
RTL	TNPA2474	CIRCUIT BOARD H	1	
RTL	TNPA2475	CIRCUIT BOARD A	1	 ;
RTL	TNPA2715	CIRCUIT BOARD J	1	
RTL	TNPH0484	CIRCUIT BOARD PA	1	
RTL	TXN/L10GUV	CIRCUIT BOARD L	1	
RTL	TXNDG10GUV	CIRCUIT BOARD DG	1	
RTL	TNPA2476	CIRCUIT BOARD PB	1	
RTL	TNPA2482	CIRCUIT BOARD S	1	
RTL	TNPA2479	CIRCUIT BOARD K	1	
RTL	TNPA2478	CIRCUIT BOARD V	1	
RTL	TNPA2477	CIRCUIT BOARD G	1	
S1	TJS3A9640	3P CONNECTOR	1	K1KA03A00171

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
S351	K0D222A00033	SWICH	1	
S401	T115AR3U3	SWITCH	1	
S803	K0C112A00013	CONNECTOR	1	
S1101	K0F122A00172	SWITCREMOTE CONTROLH	1	
S1121-26	EVQ23405R	SWITCH	6	
T401	G4BYA0000006	TRANS	1	
T402	G0A461H00001	CHOKE COIL	1	
T801	G4D4A0000056	SWITCHING TRANSFORMER	1	▲
T802	ETP28Z449BY	REMOCON TRANS	1	▲
TNR001	ENG36602GS	TUNER	1	▲
TNR002	ENG36603GR	TUNER	1	▲
V1	TJS3A9640	3P CONNECTOR	1	K1KA03A00171
V2	TJS3A9900	10P CONNECTOR	1	K1KA10A00218
X401	H2D50040006	CRYSTAL	1	
X1141,42	H0J400400017	CRYSTAL	2	
X9000	H0J202500002	CRYSTAL	1	
X9002	H0J100500010	CRYSTAL	1	
X9005	H0J100500010	CRYSTAL	1	
Z401	G4F3E0000003	TRANS	1	▲

16. Lamp Unit

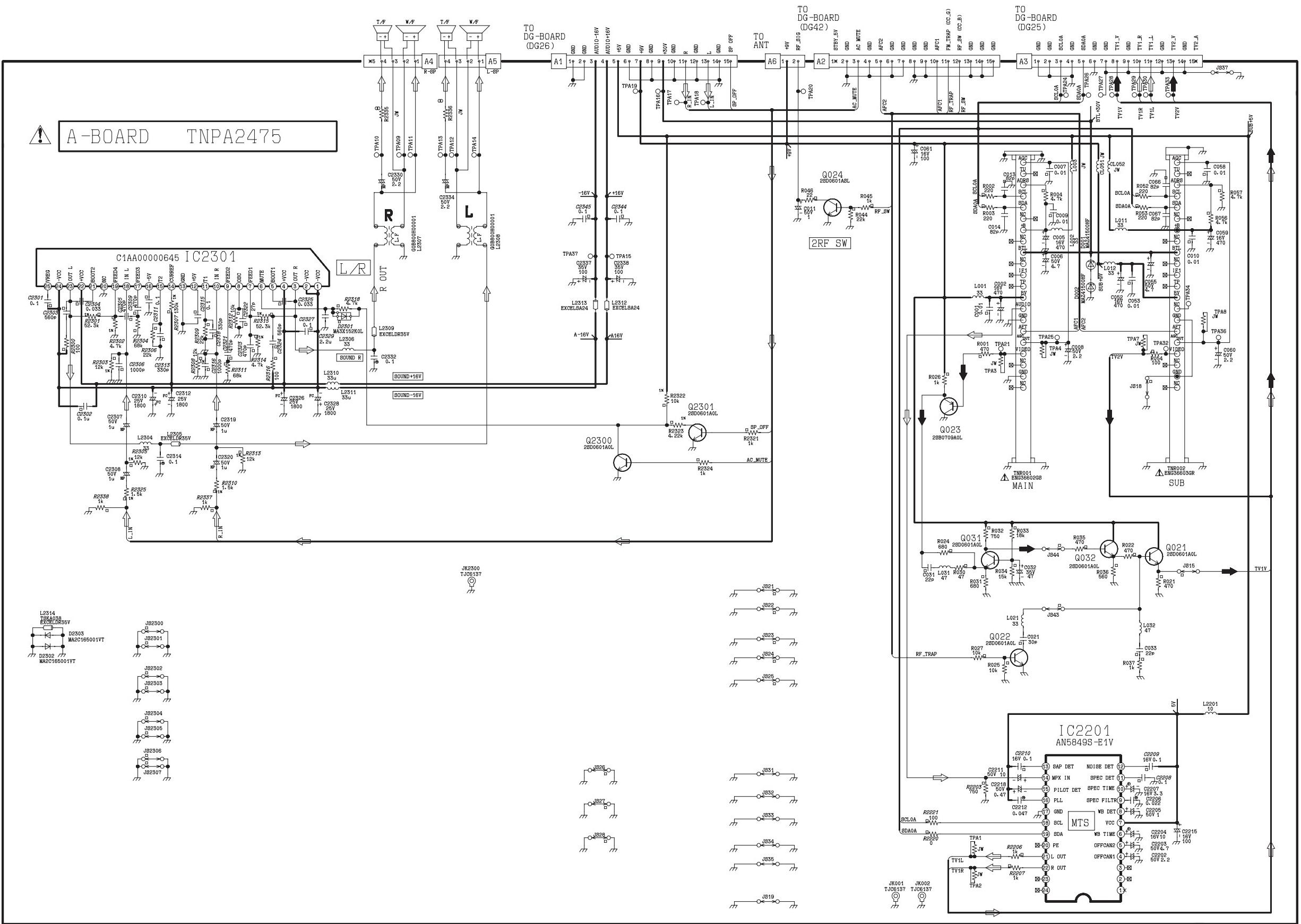
17. Schematic Diagram for printing with A4

PB-BOARD(FOIL SIDE)
TNPA2476



Parts Location

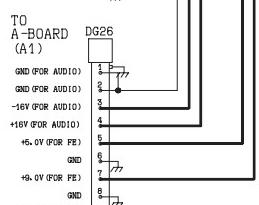
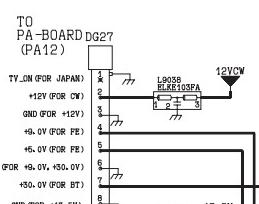
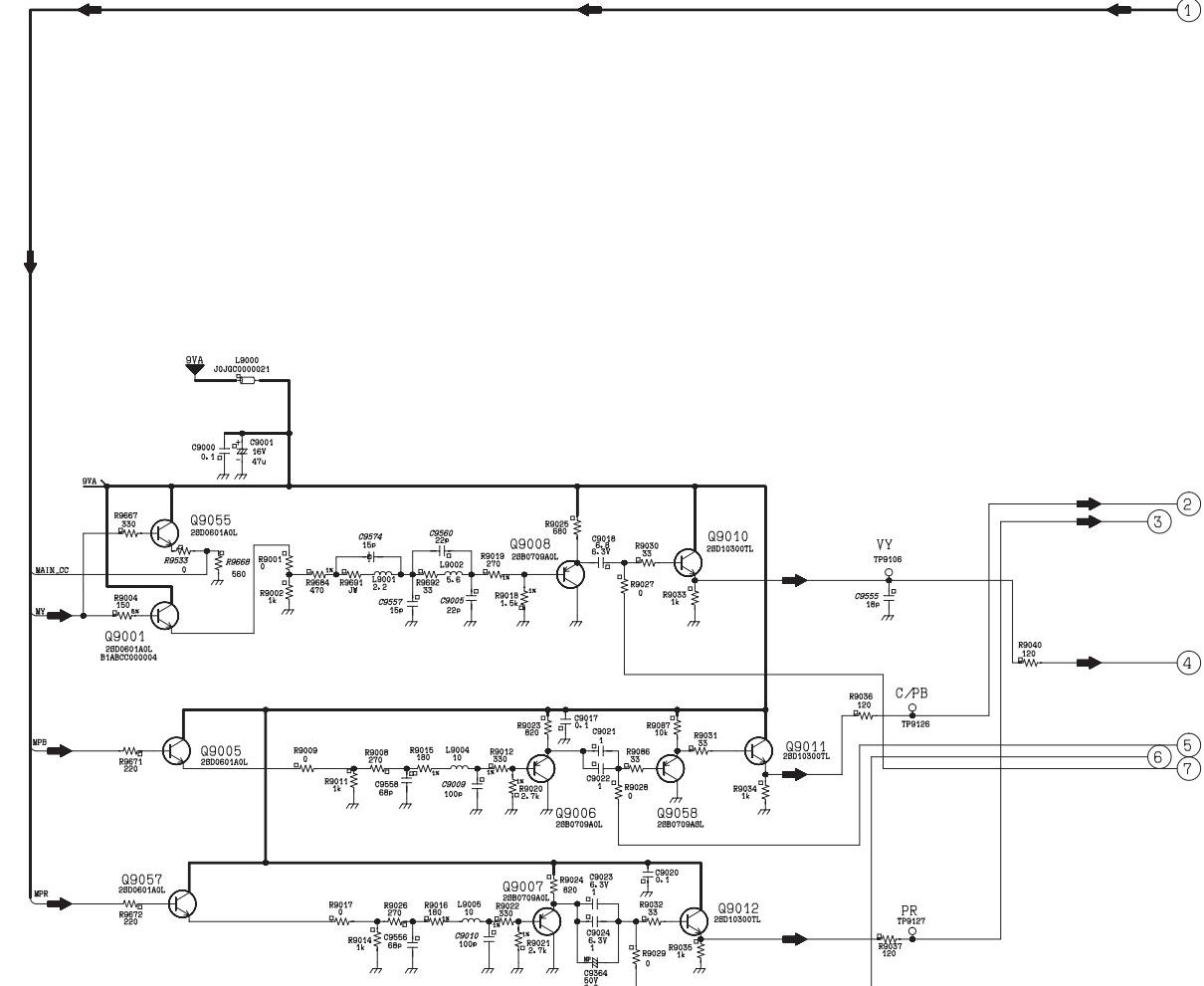
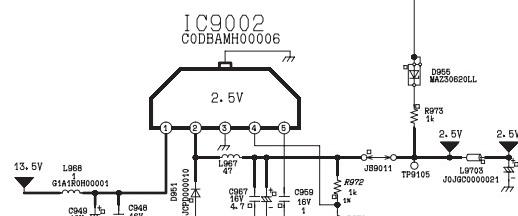
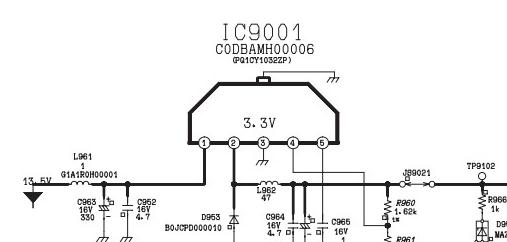
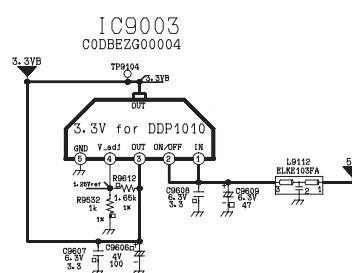
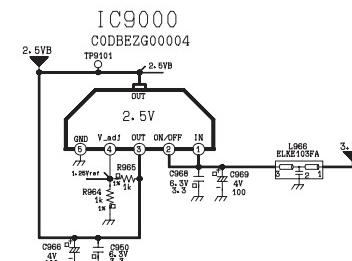
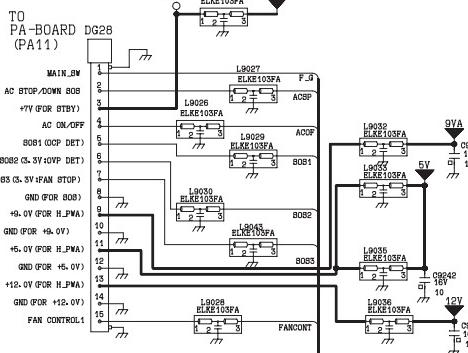
PB-BOARD (FOIL SIDE)			
IC	TRANSISTOR		
IC403	E-4	Q406	D-4
IC404	E-4	Q407	D-4
IC405	E-4	Q409	E-3
IC406	E-4	Q410	D-4
IC407	E-4	Q411	D-4
IC408	E-3	Q412	D-3
IC413	B-4	Q413	D-2
IC414	D-4	Q415	D-3
IC415	E-2	Q416	D-2
IC416	E-3	Q417	C-3
IC417	E-3	Q418	C-3
IC421	E-2	Q419	D-3
		Q420	D-2

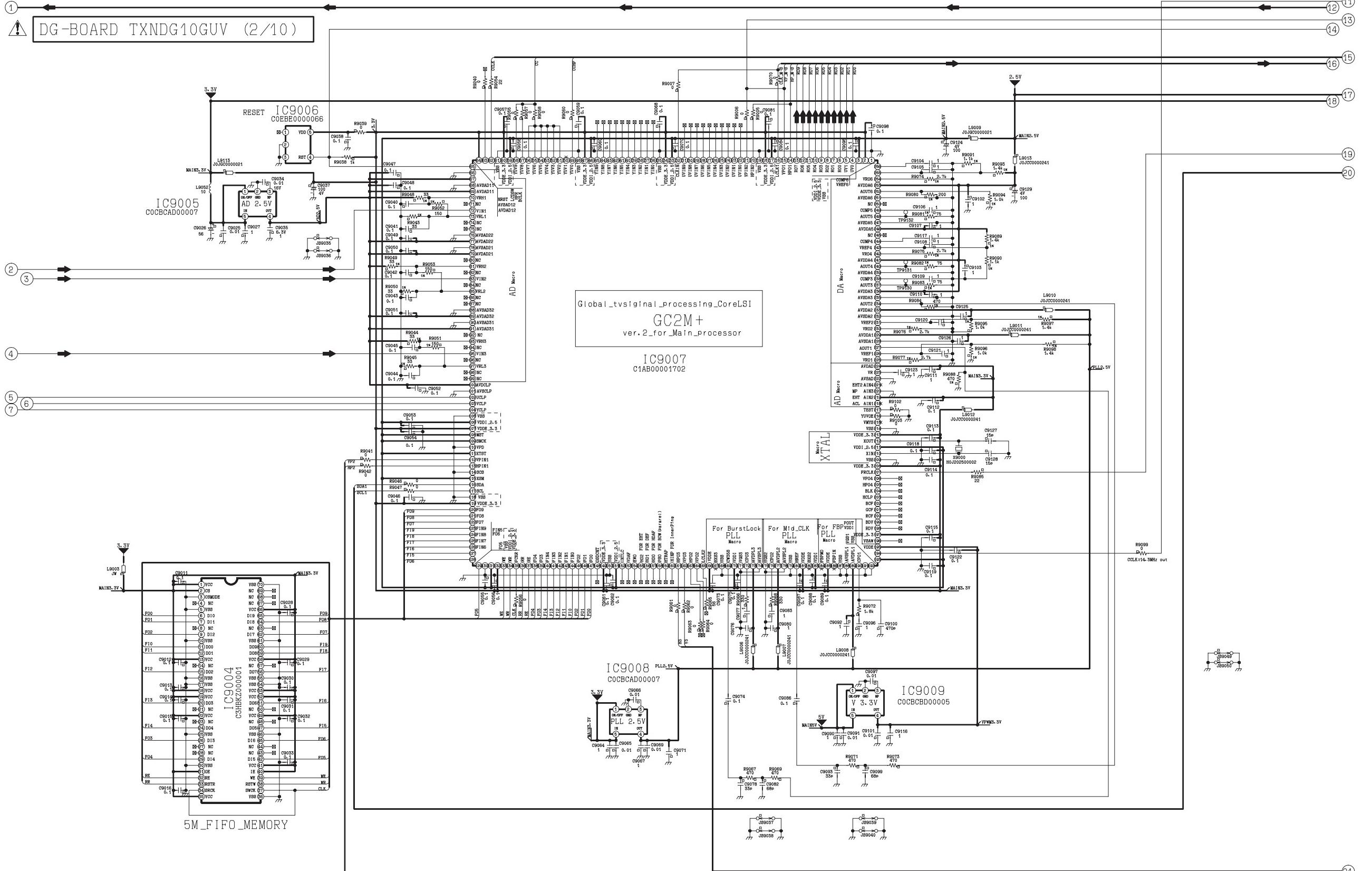


PT-52DL52 A-Board Schematic Diagram

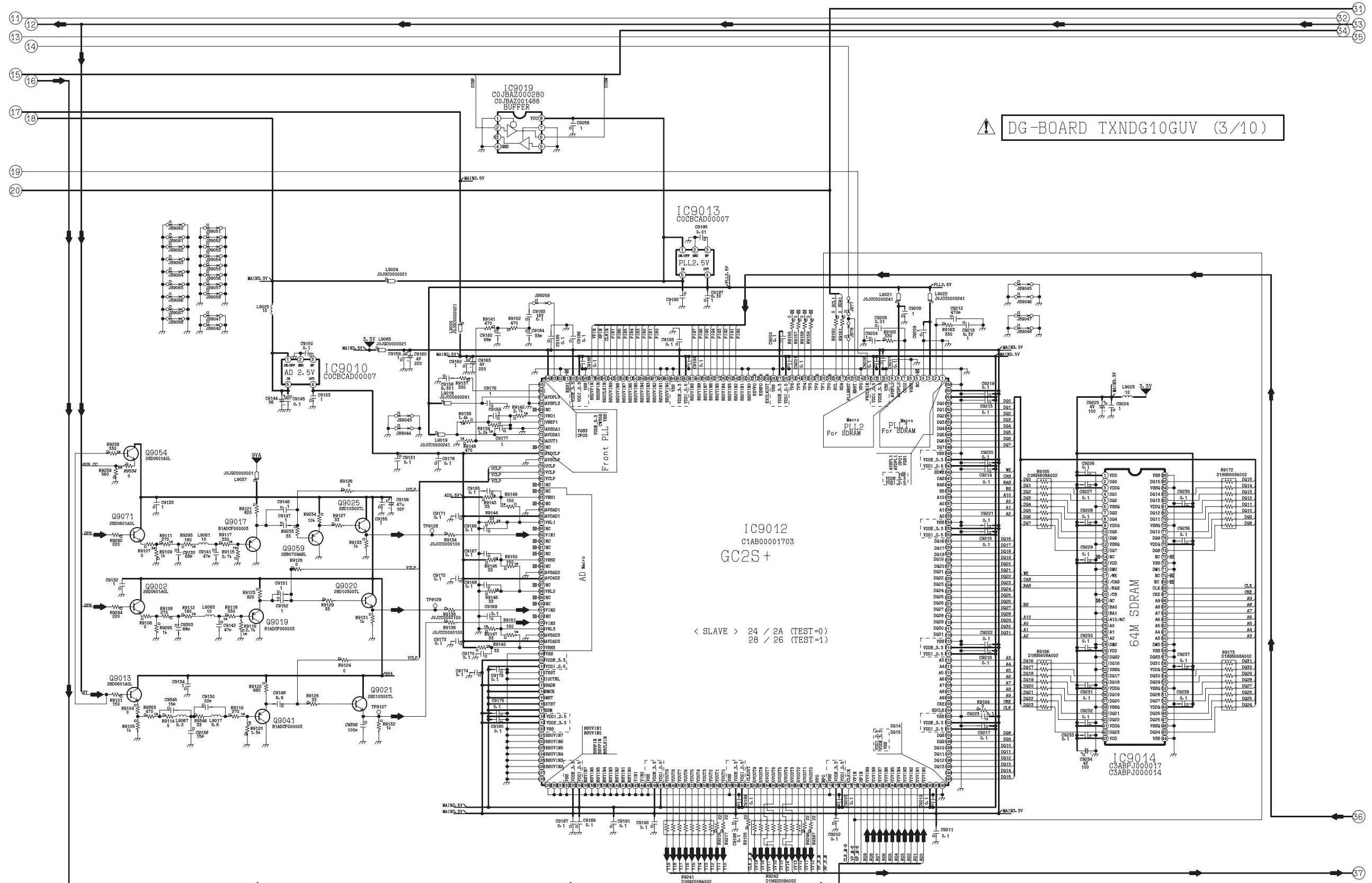
PT-52DL52 A-Board Schematic Diagram

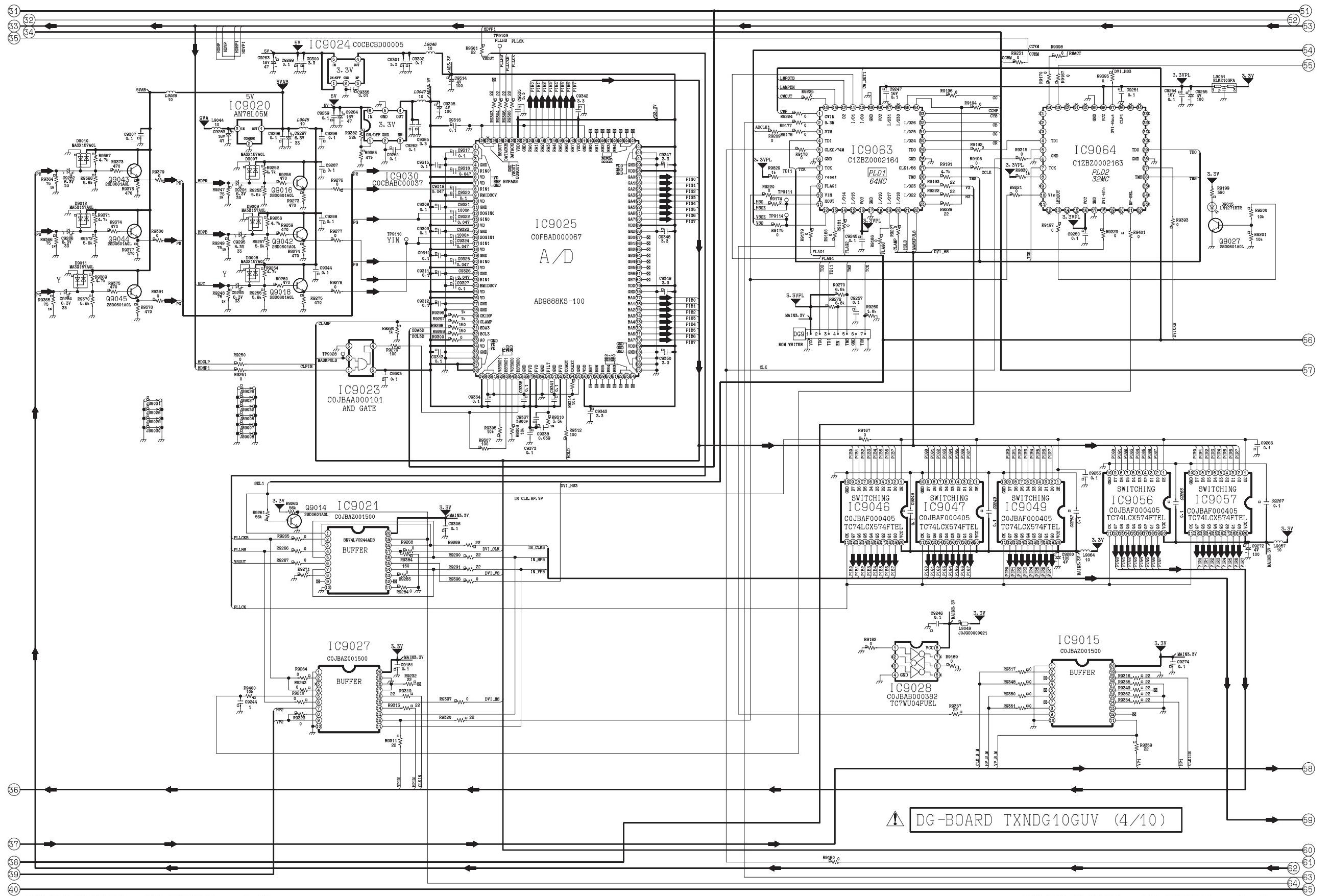
 DG-BOARD TXNDG10GUVE (1/10)





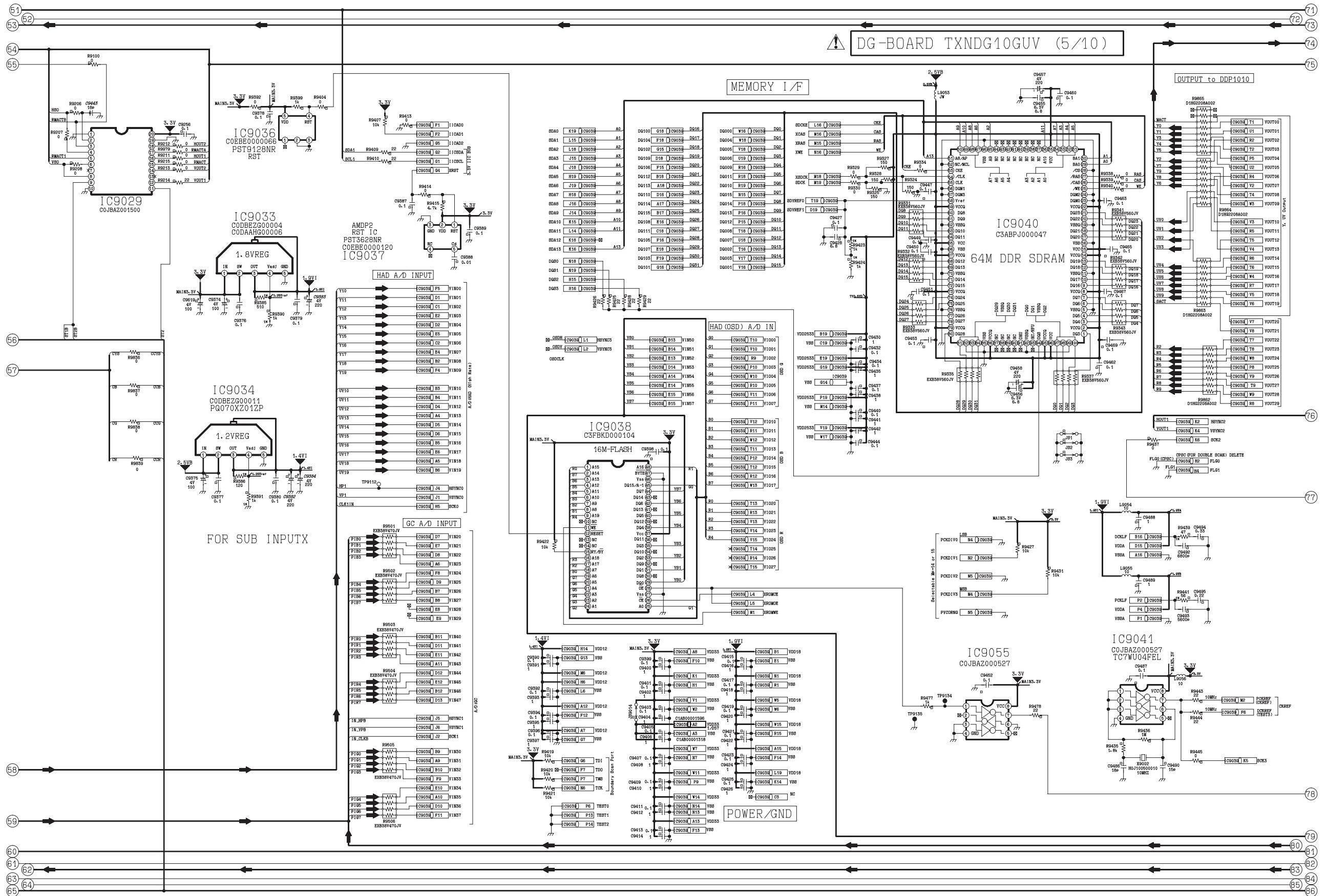
DG-BOARD TXNDG10GUV (3/10)





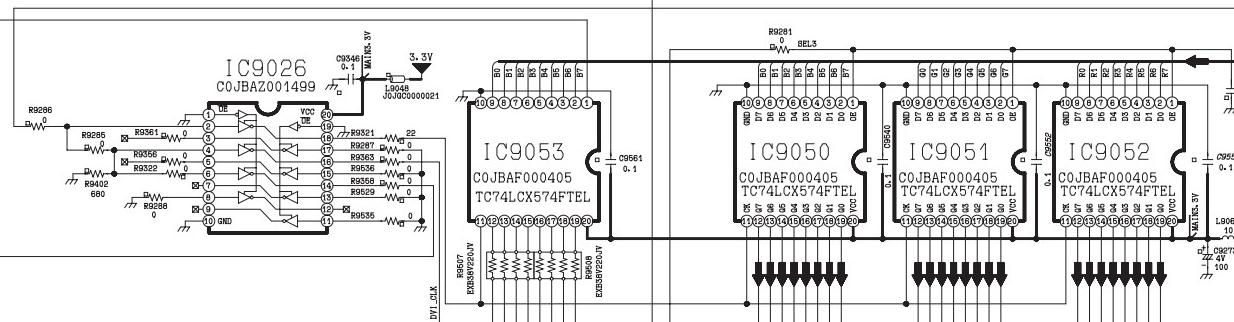
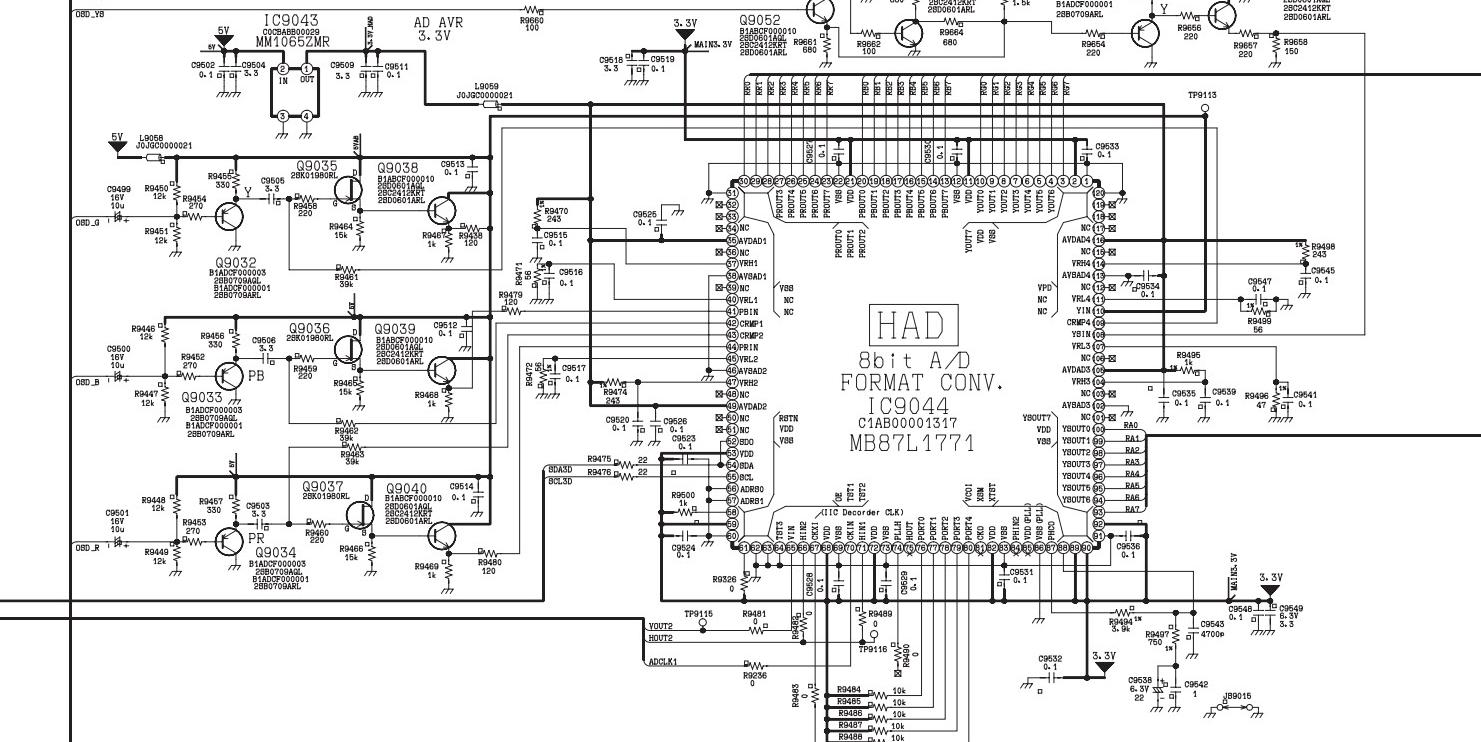
PT-52DL52 DG-Board (4 of 10) Schematic Diagram

DG - BOARD TXNDG10GUV (5/10)



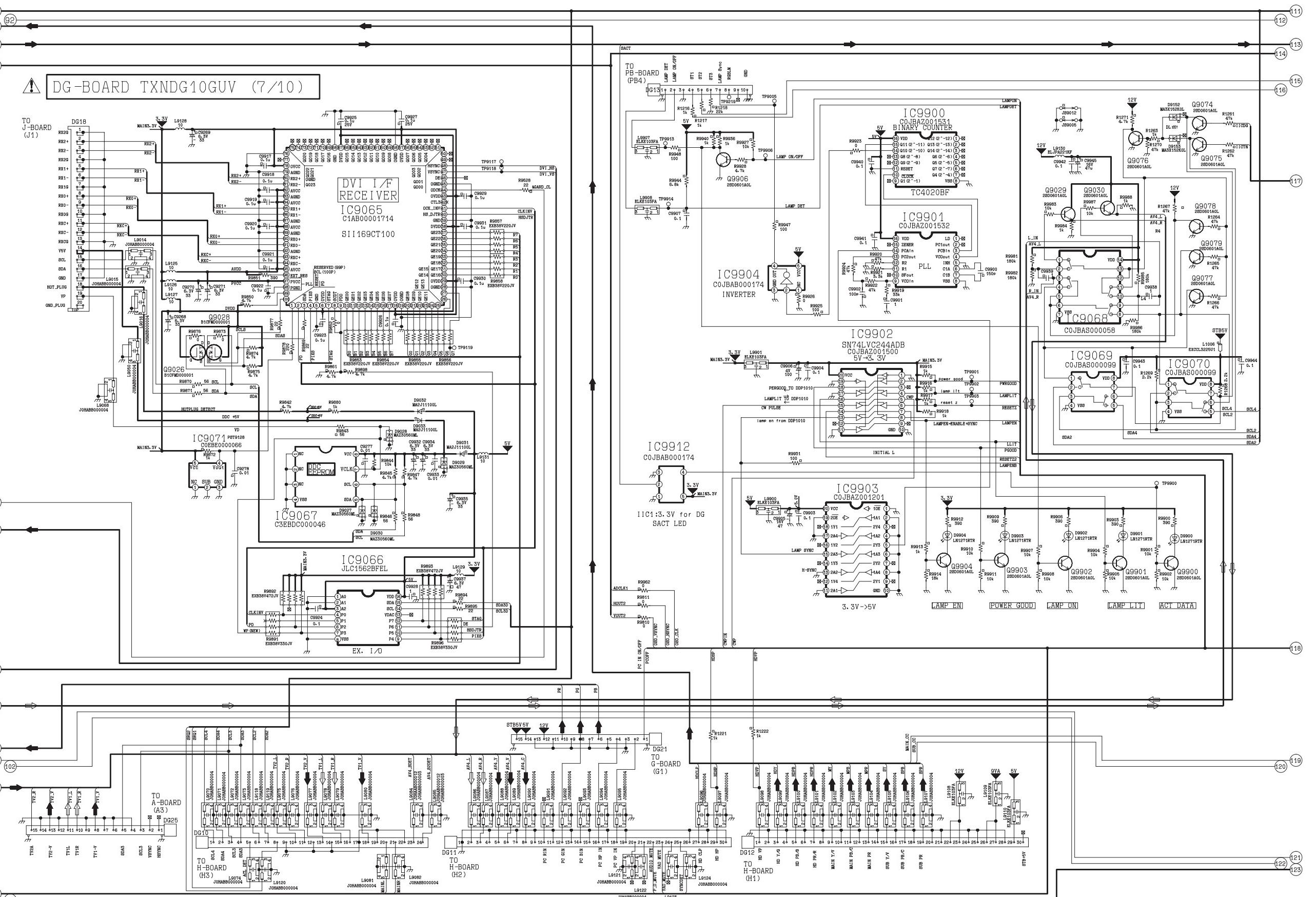
PT-52DL52 DG-Board (5 of 10) Schematic Diagram

PT-52DL52 DG-Board (5 of 10) Schematic Diagram



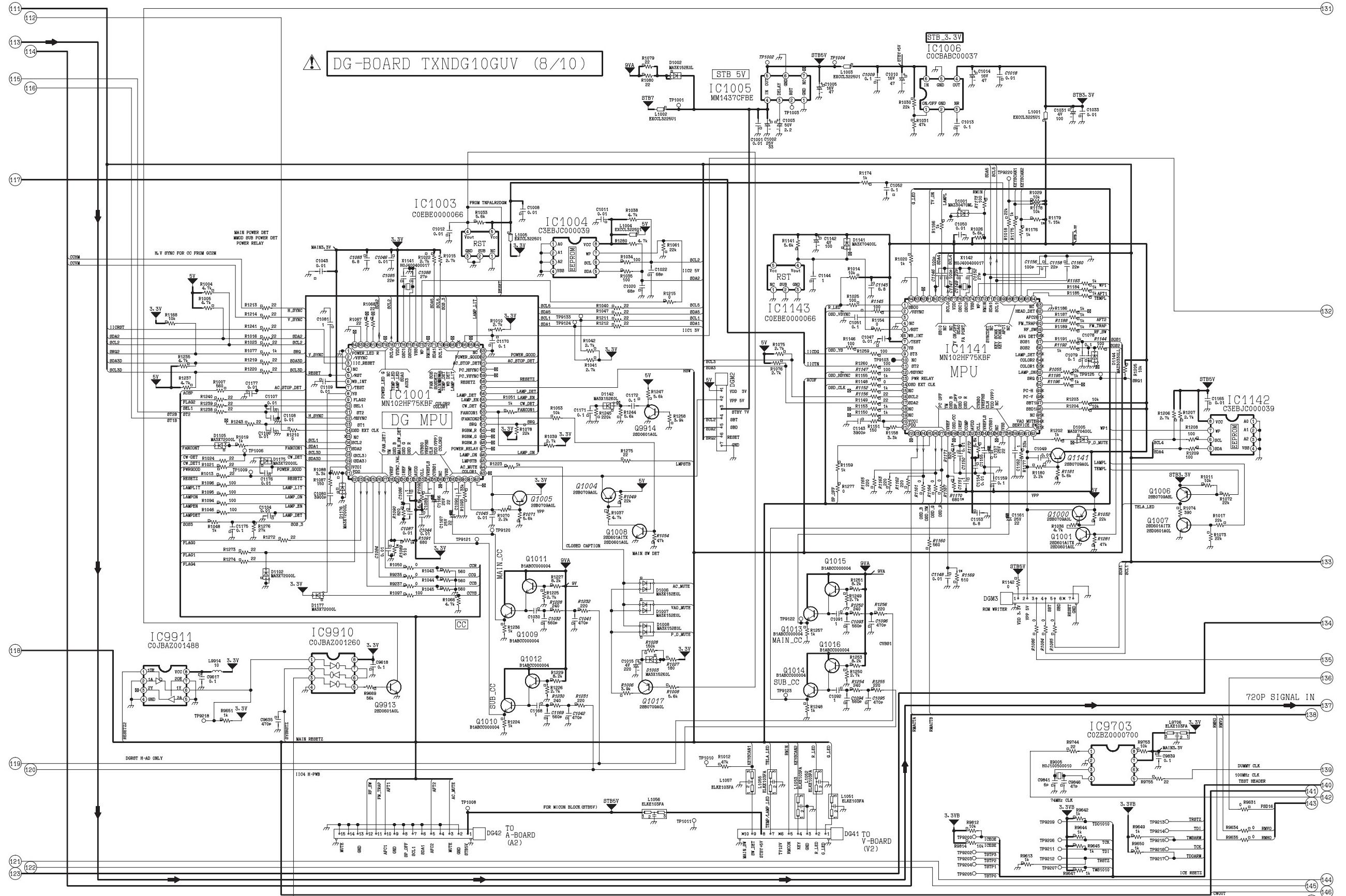
PT-52DL52 DG-Board (6 of 10) Schematic Diagram

PT-52DL52 DG-Board (6 of 10) Schematic Diagram



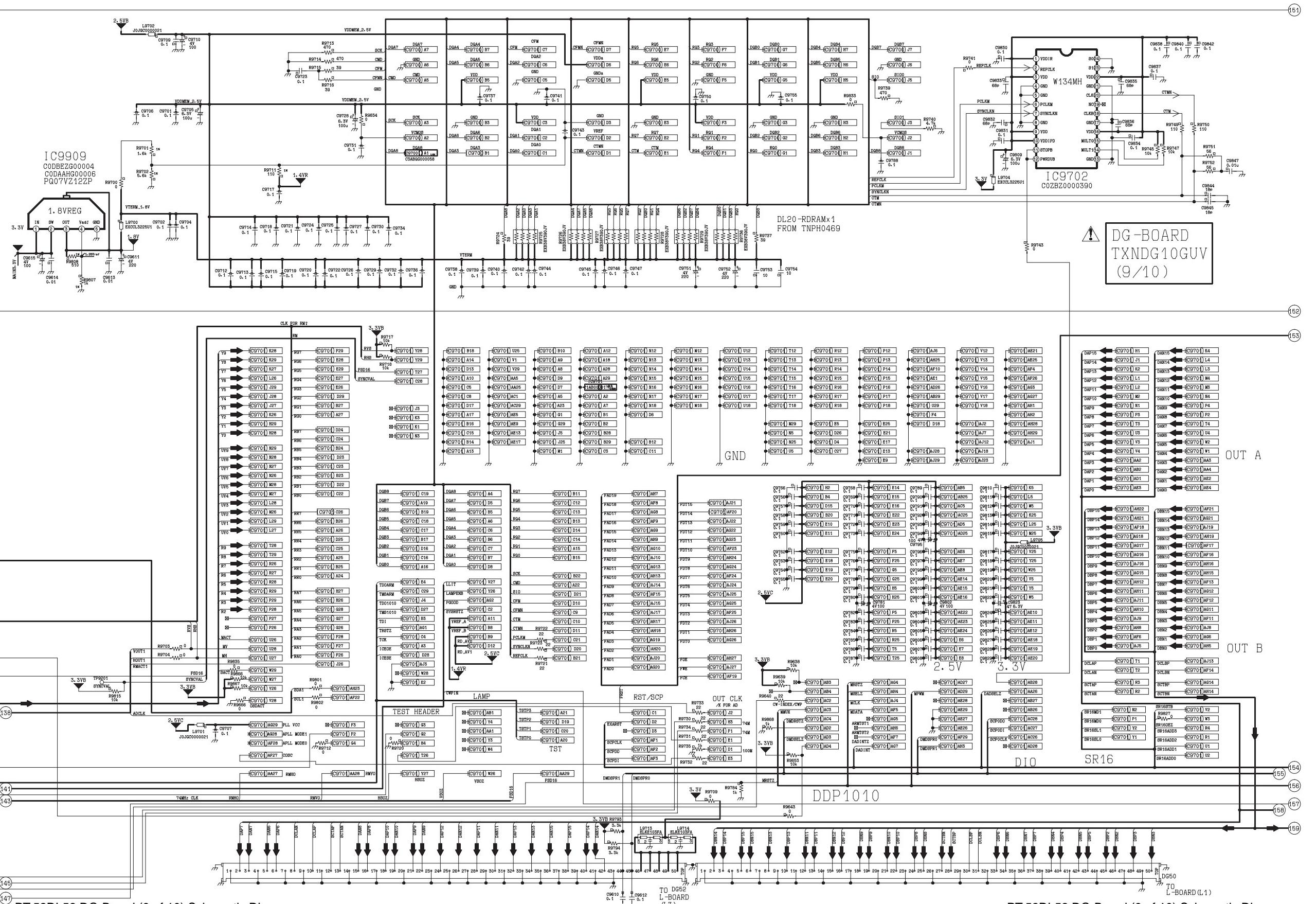
PT-52DL52 DG-Board (7 of 10) Schematic Diagram

PT-52DL52 DG-Board (7 of 10) Schematic Diagram

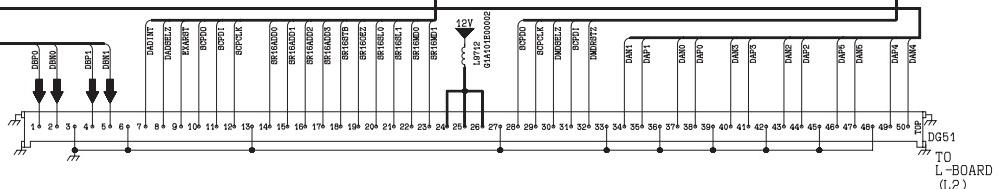
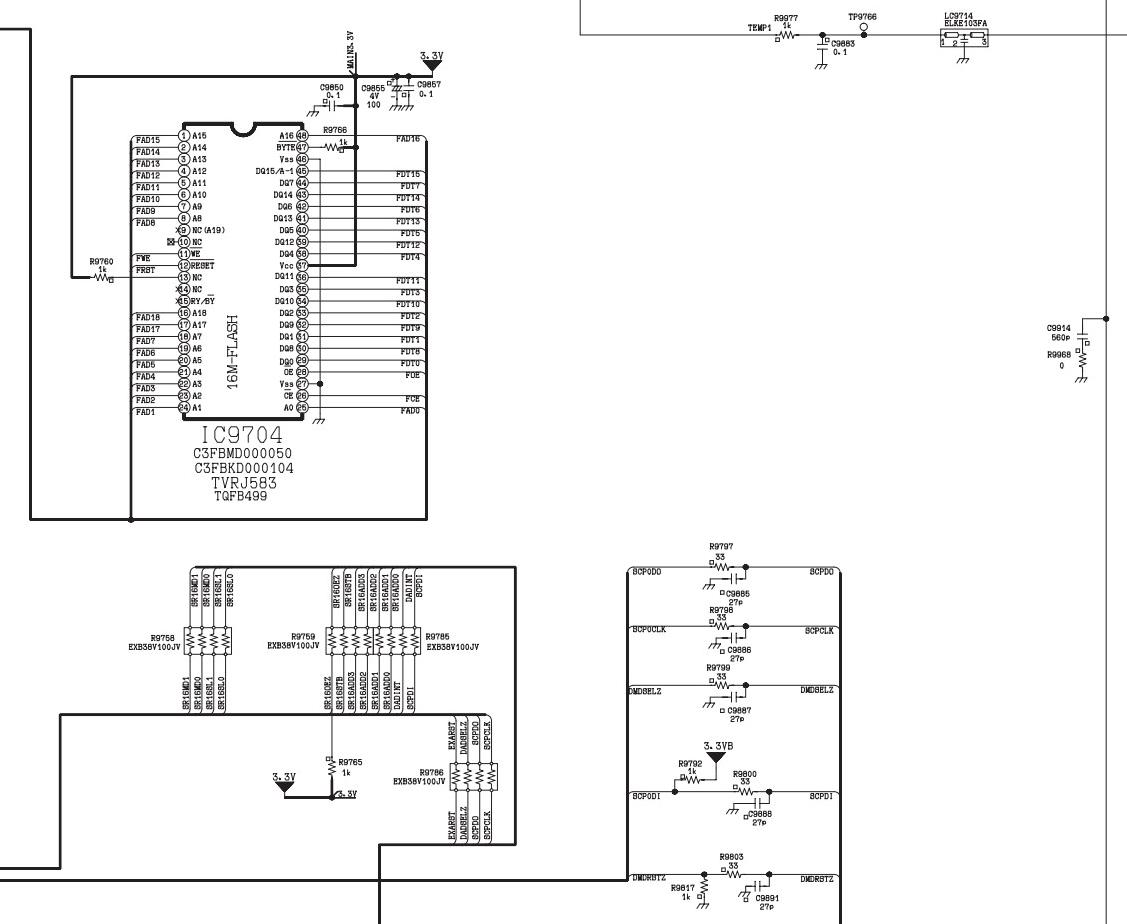
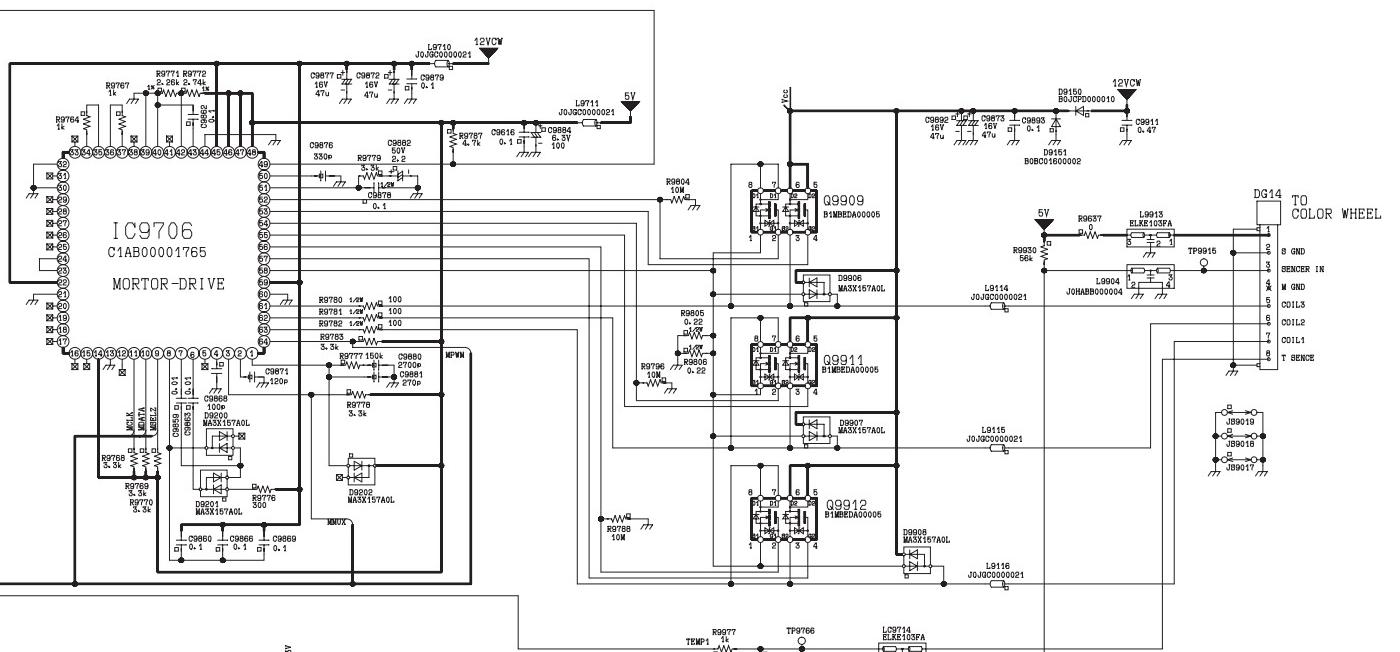


PT-52DL52 DG-Board (8 of 10) Schematic Diagram

PT-52DL52 DG-Board (8 of 10) Schematic Diagram

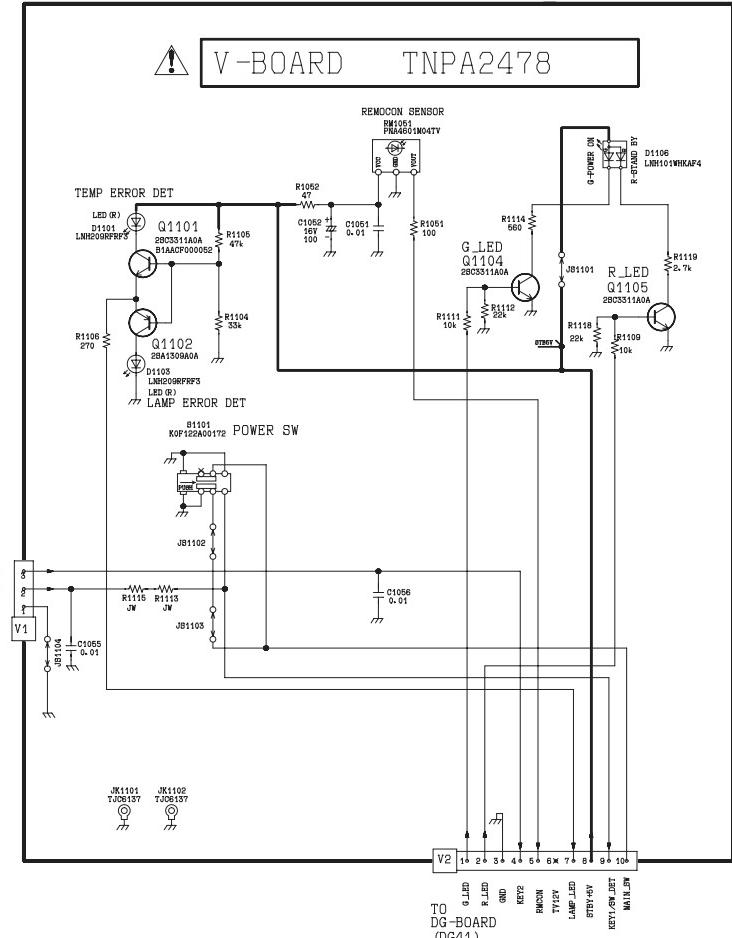
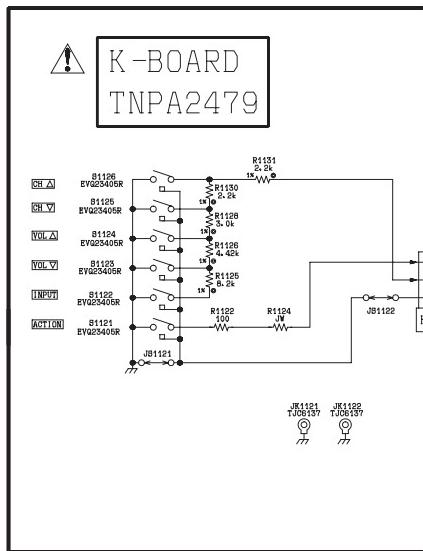
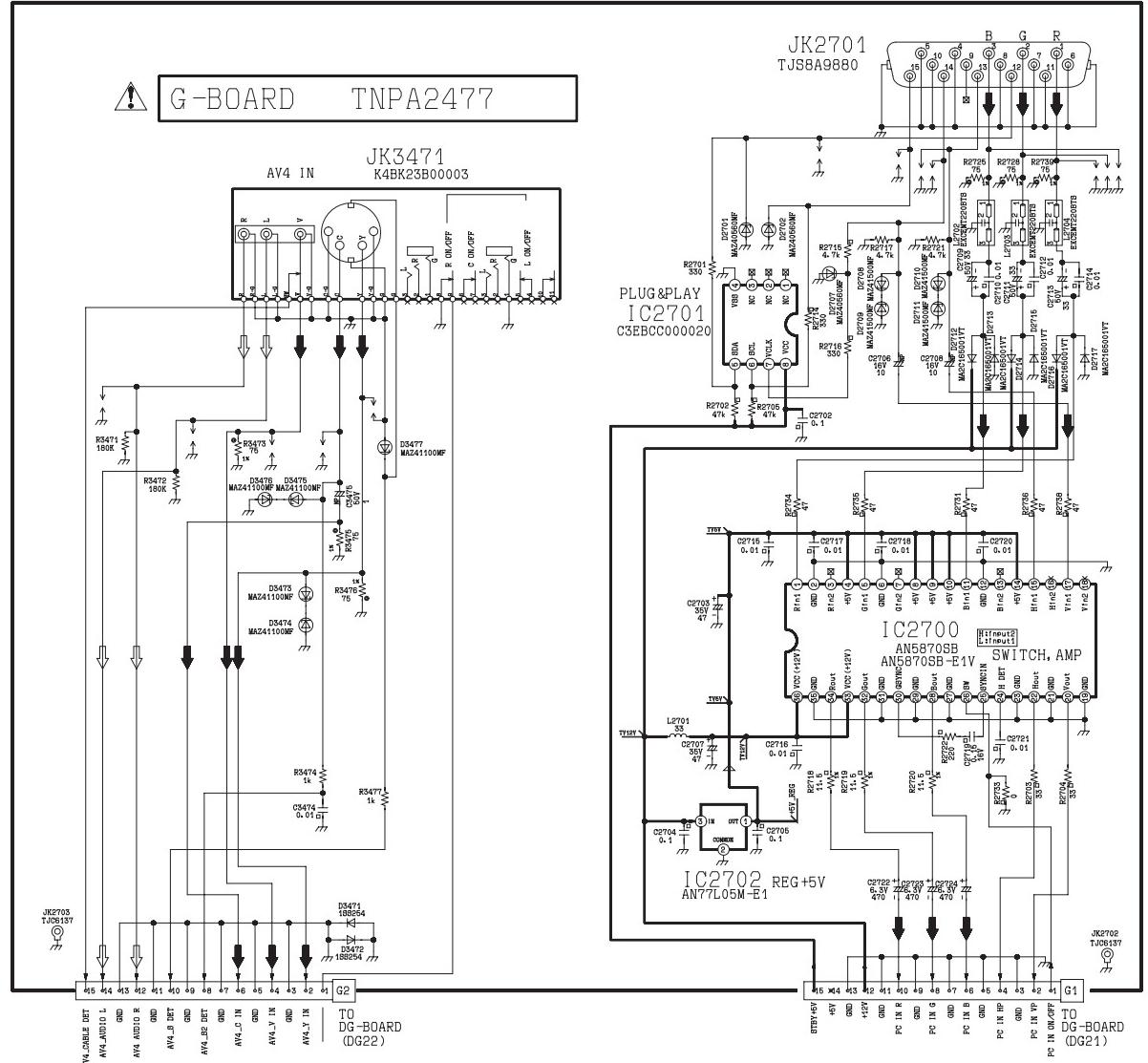
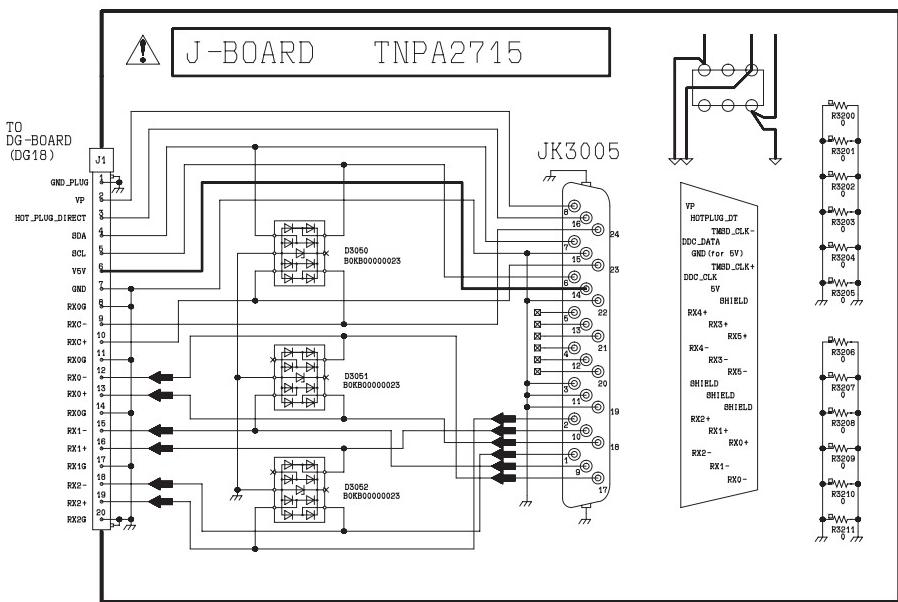


DG -BOARD TXNDG10GUV (10/10)



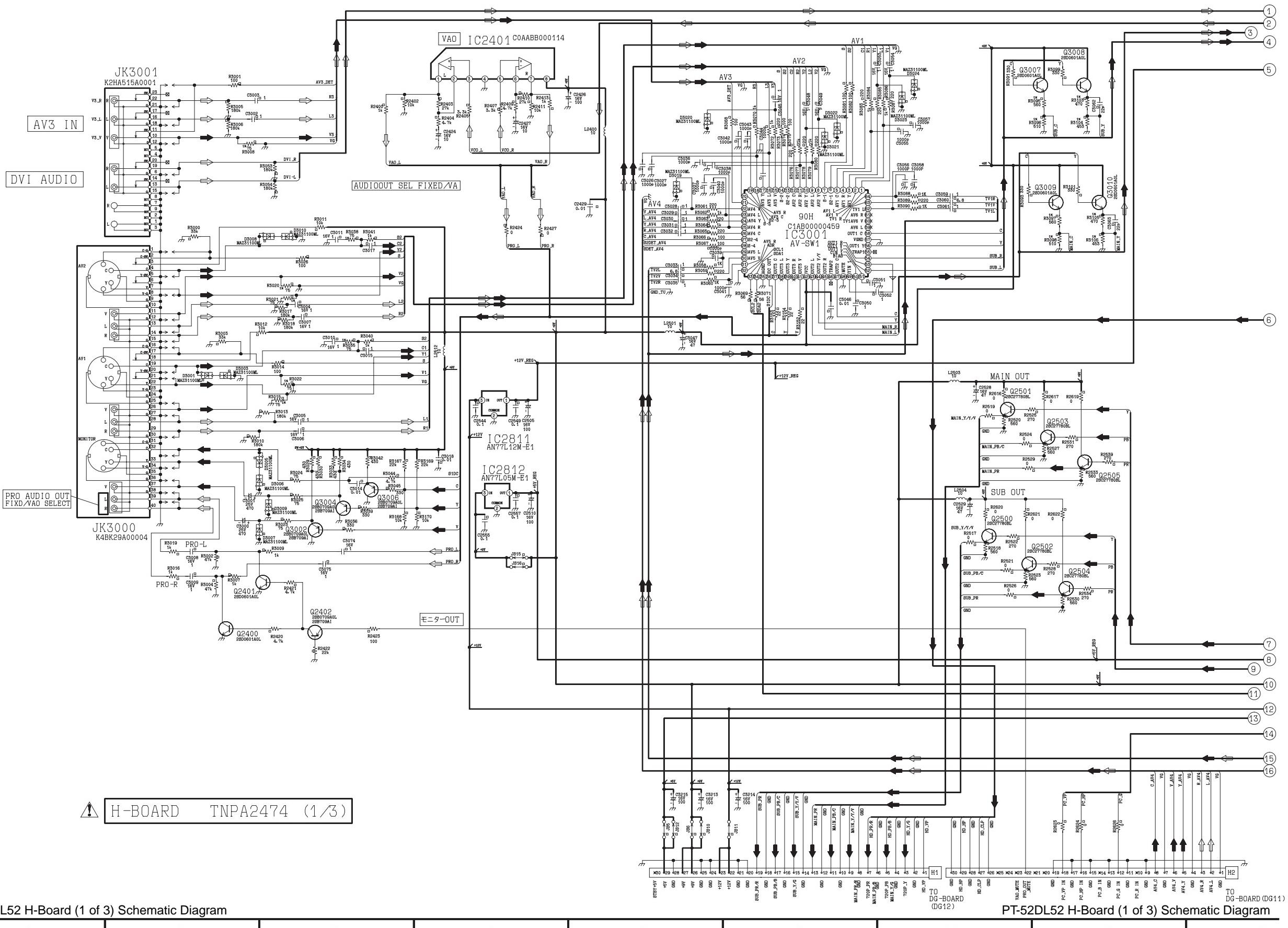
PT-52DL52 DG-Board (10 of 10) Schematic Diagram

PT-52DL52 DG-Board (10 of 10) Schematic Diagram



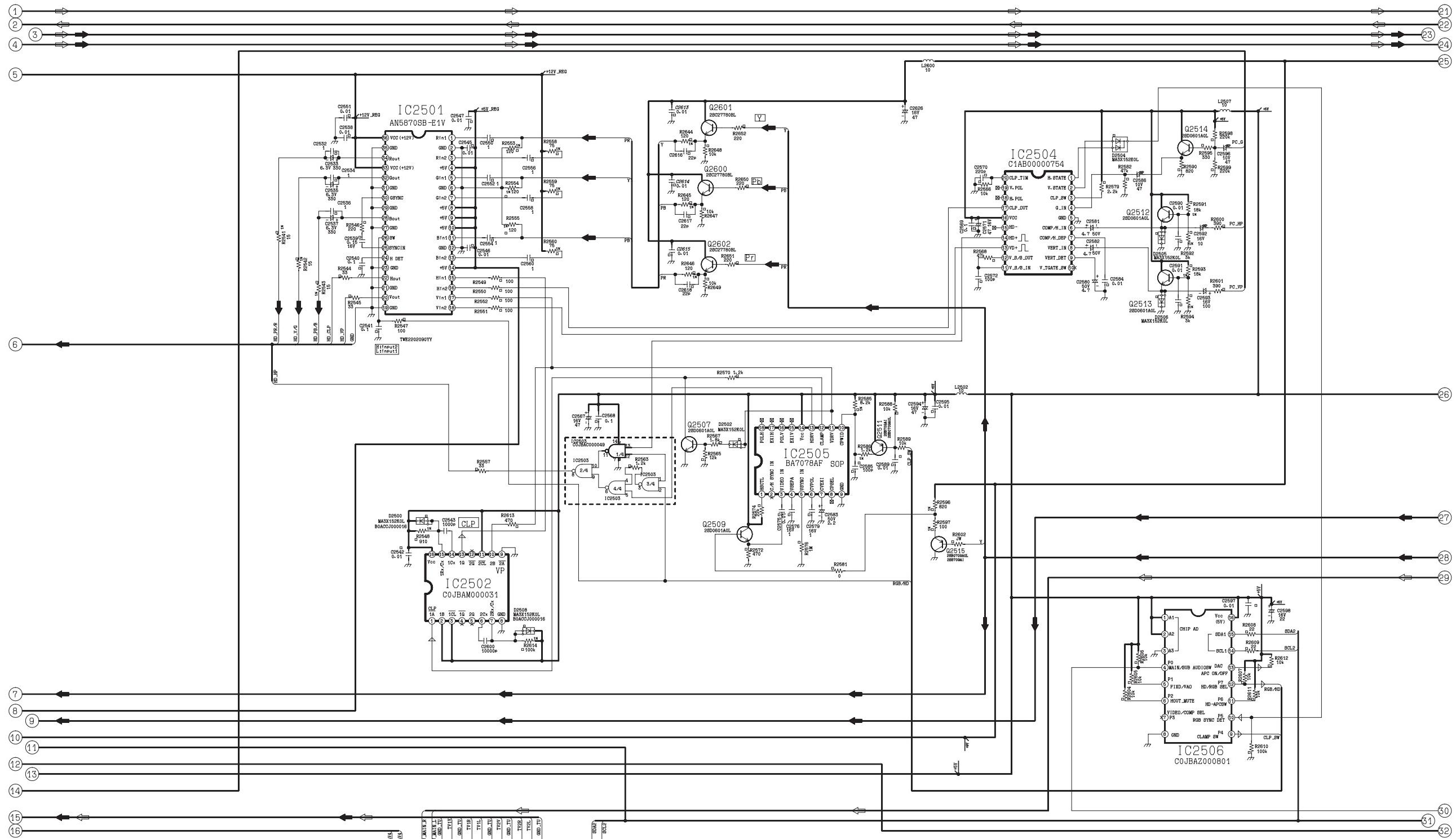
PT-52DL52 G, J, K and V-Board Schematic Diagram

PT-52DL52 G, J, K and V-Board Schematic Diagram



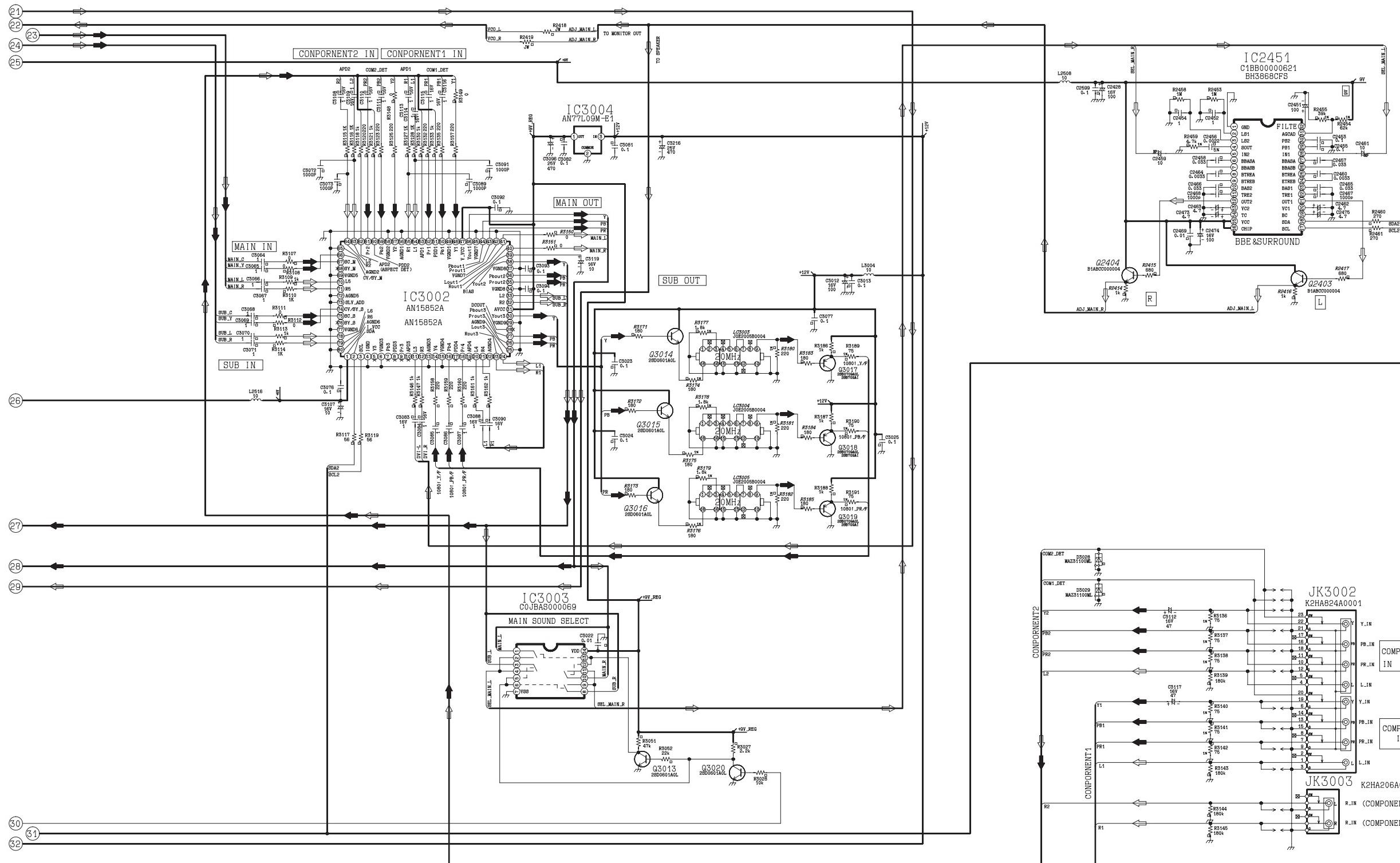
PT-52DL52 H-Board (1 of 3) Schematic Diagram

PT-52DL52 H-Board (1 of 3) Schematic Diagram



PT-52DL52 H-Board (2 of 3) Schematic Diagram

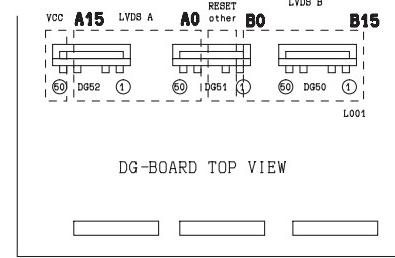
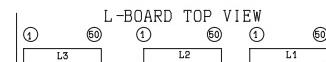
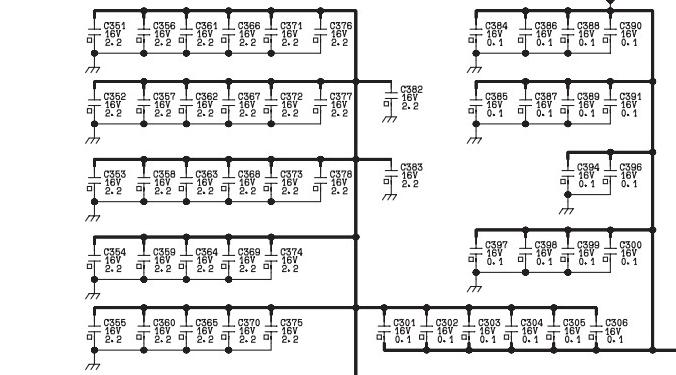
PT-52DL52 H-Board (2 of 3) Schematic Diagram



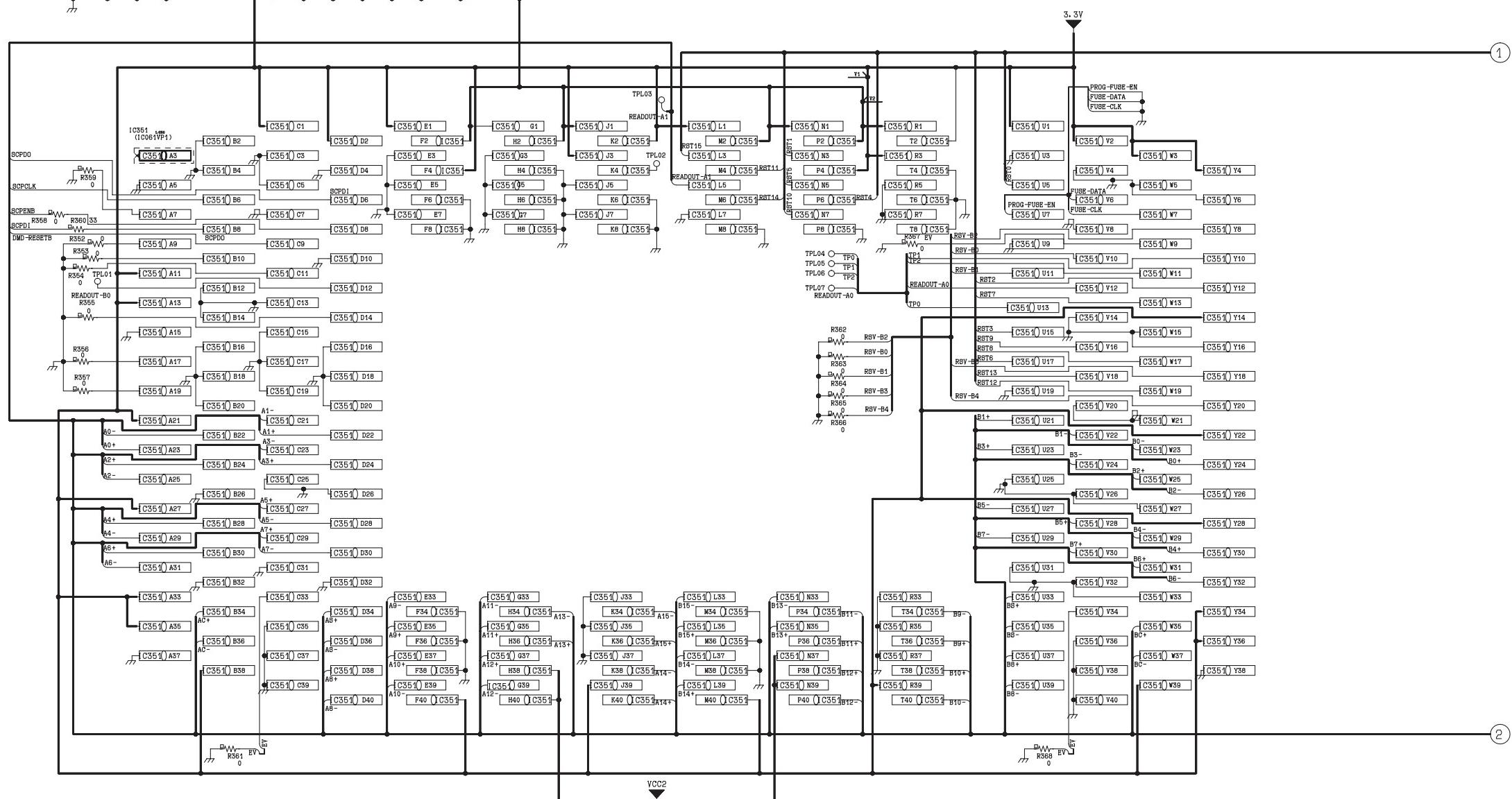
H-BOARD TNPA2474 (3/3)

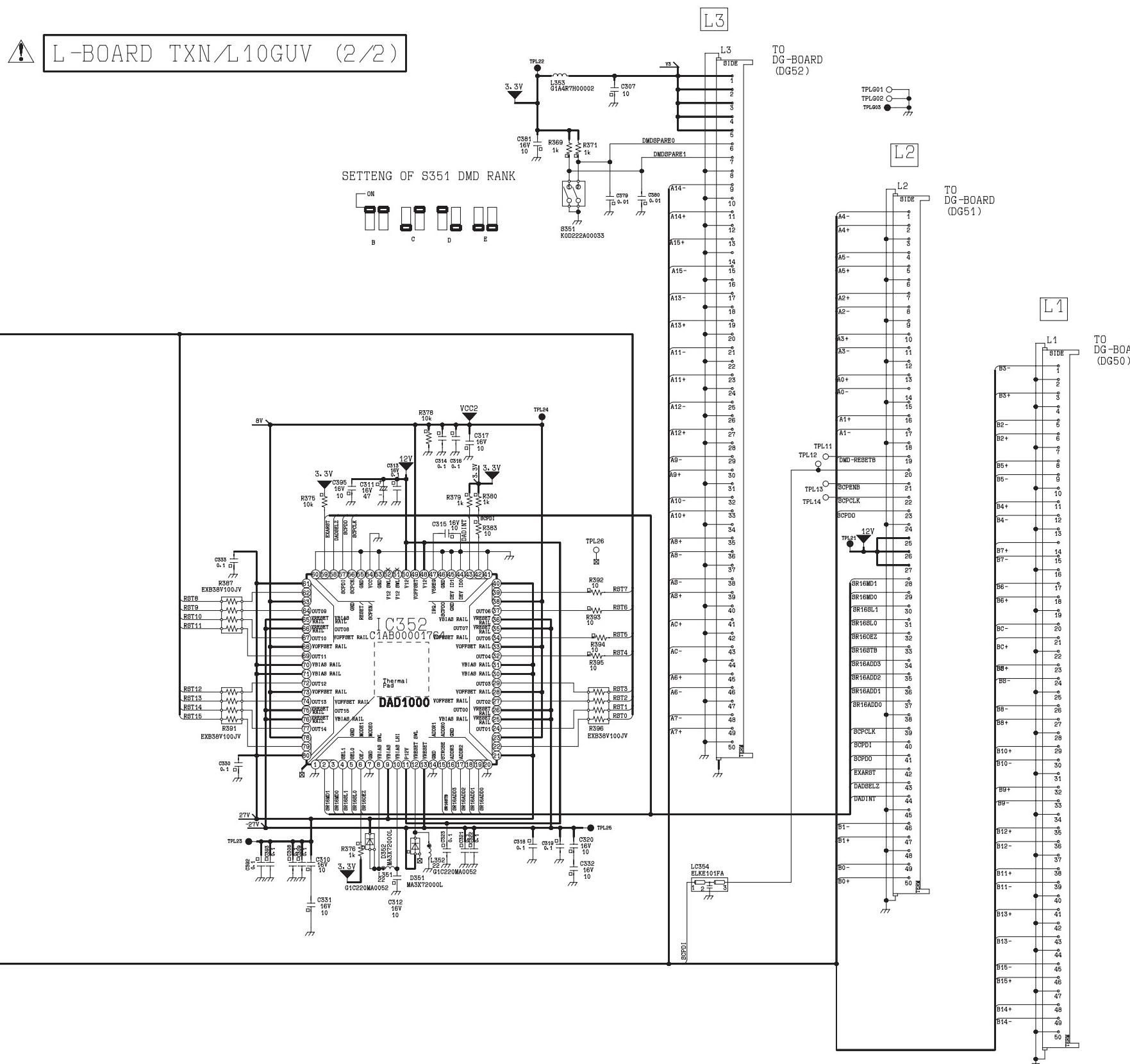


L-BOARD TXN/L10GUW (1/2)



REAR





PT-52DL52 L-Board (2 of 2) Schematic Diagram

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:

Unit of resistance is OHM [Ω] ($K=1,000$, $M=1,000,000$).

: Nonflammable
 : Solid
 : Wire Wound

: Metal Oxide
 : Metal Film
 : Fuse:

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is μF , unless otherwise noted.

: Temperature Compensation
 : Polyester
 : Metallized Polyester
 : Polypropylene

: Electrolytic
 : Bipolar
 : Dipped Tantalum
 : Z-Type

3. Coil

Unit of inductance is μF , unless otherwise noted.

4. Test Point

: Test Point position

5. Earth Symbol

: Chassis Earth (Cold)

: Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source AC 120V, 60Hz
Receiving Signal Colour Bar signal (RF)
All customer's controls Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark (\nearrow) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. : Video \rightarrow Audio \Rightarrow

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

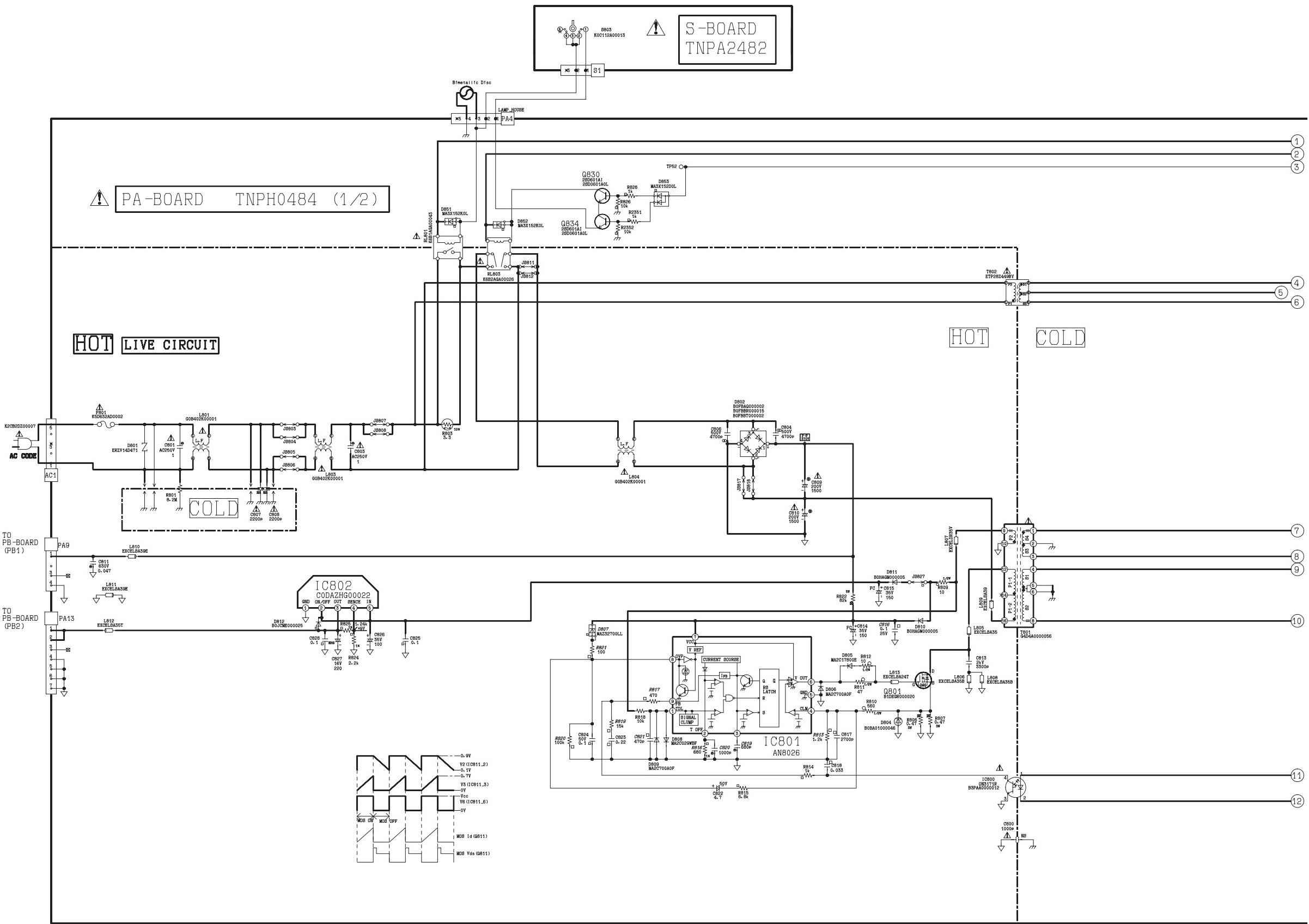
All circuits, except the Power Circuit, are cold.

Precautions

- a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
- b. Do not short-circuit the hot and cold circuits or a fuse may blow and parts may break.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

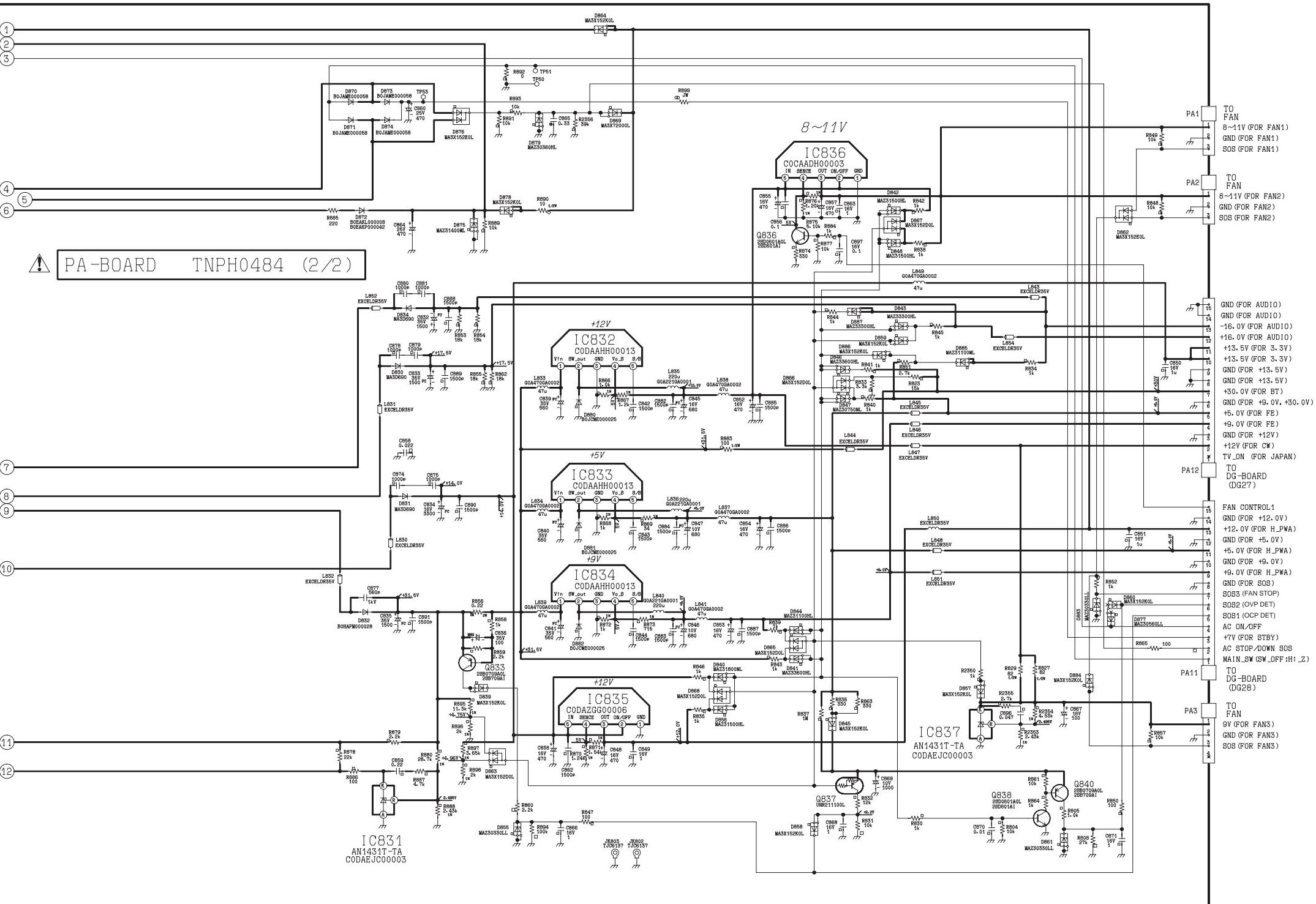
2. Following diodes are interchangeable.

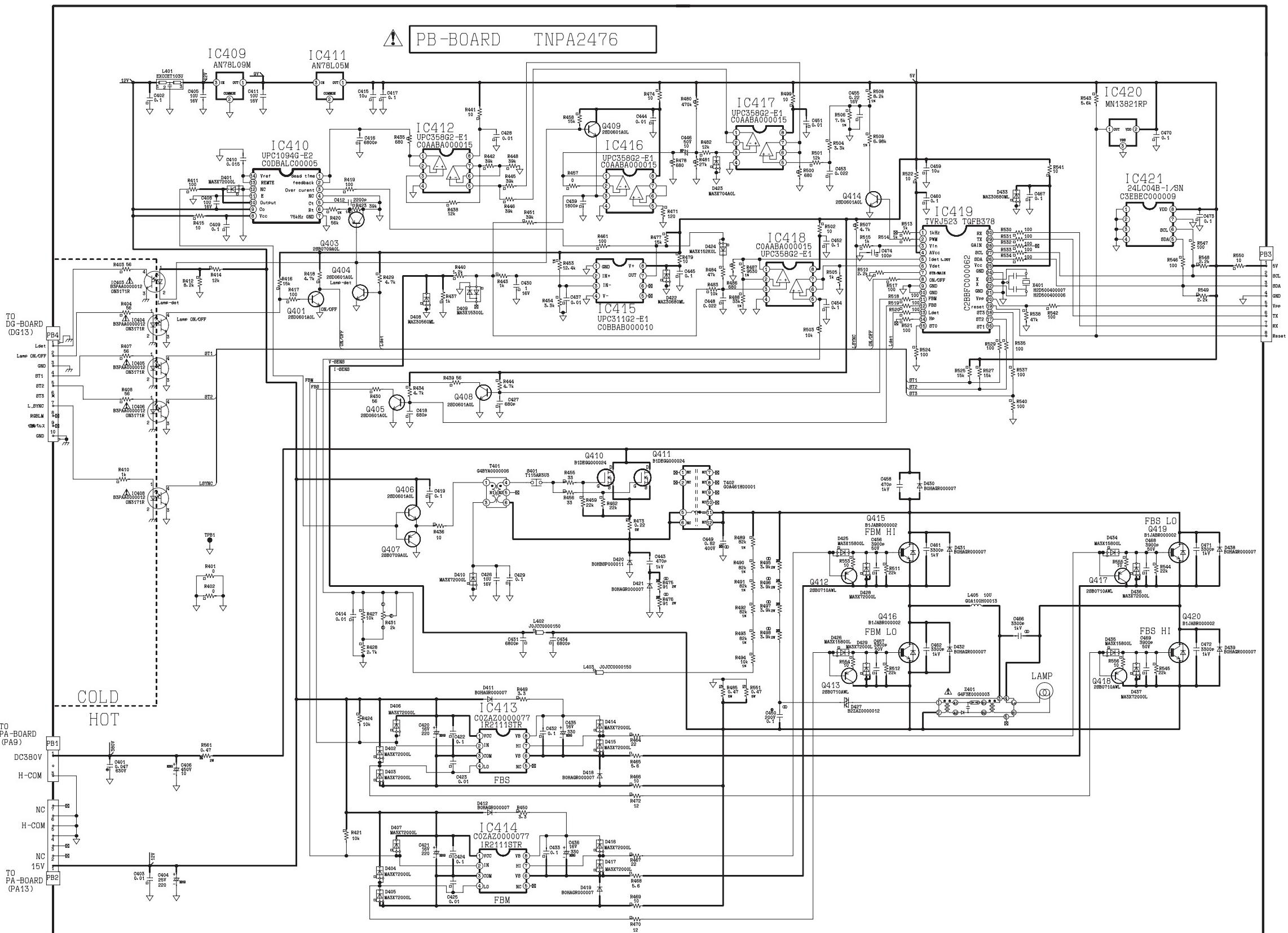
MA150- MA162 (Replacement part)



PT-52DL52 PA-Board (1 of 2) and S-Board Schematic Diagram

PT-52DL52 PA-Board (1 of 2) and S-Board Schematic Diagram





PT-52DL52 PB-Board Schematic Diagram

PT-52DL52 PB-Board Schematic Diagram

12 Schematic Diagrams

12.1. Schematic Diagram Notes

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:

Unit of resistance is OHM [Ω] ($K=1,000$, $M=1,000,000$).

\bigcirc	: Nonflammable	\boxtimes	: Metal Oxide
\triangle	: Solid	\odot	: Metal Film
\blacksquare	: Wire Wound	\otimes	: Fuse:

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is μF , unless otherwise noted.

\otimes	: Temperature Compensation	$+\text{H}^-$: Electrolytic
(M)	: Polyester	NP	: Bipolar
(m)	: Metallized Polyester	(T)	: Dipped Tantalum
\blacksquare	: Polypropylene	(Z)	: Z-Type

3. Coil

Unit of inductance is μF , unless otherwise noted.

4. Test Point

\bigcirc : Test Point position

5. Earth Symbol

--- : Chassis Earth (Cold)

\downarrow : Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source	AC 120V, 60Hz
Receiving Signal	Colour Bar signal (RF)
All customer's controls	Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark (↗) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. : Video \rightarrow Audio \Rightarrow

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

All circuits, except the Power Circuit, are cold.

Precautions

a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.

b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.

c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.

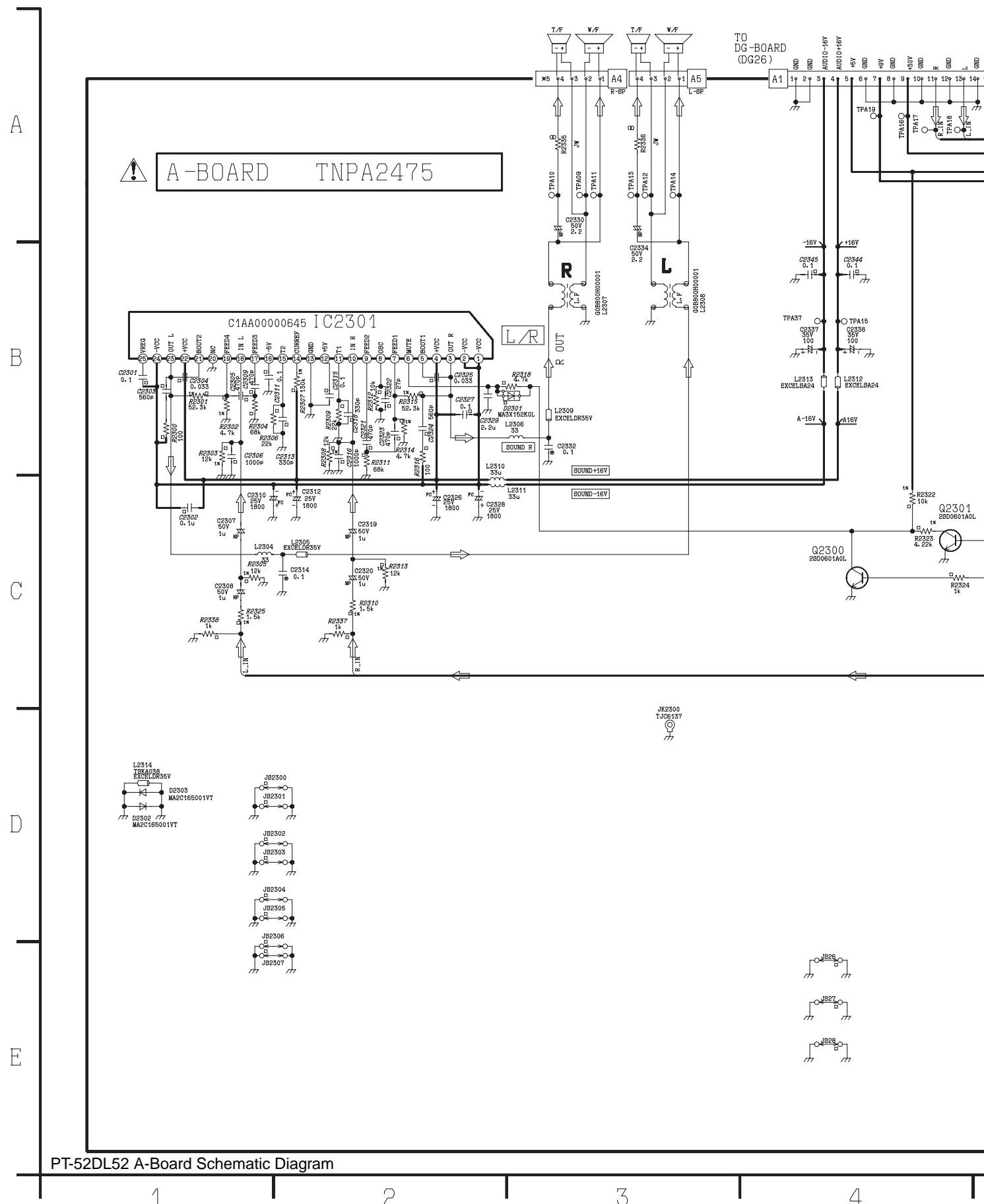
Connect the earth of instruments to the earth connection of the circuit being measured.

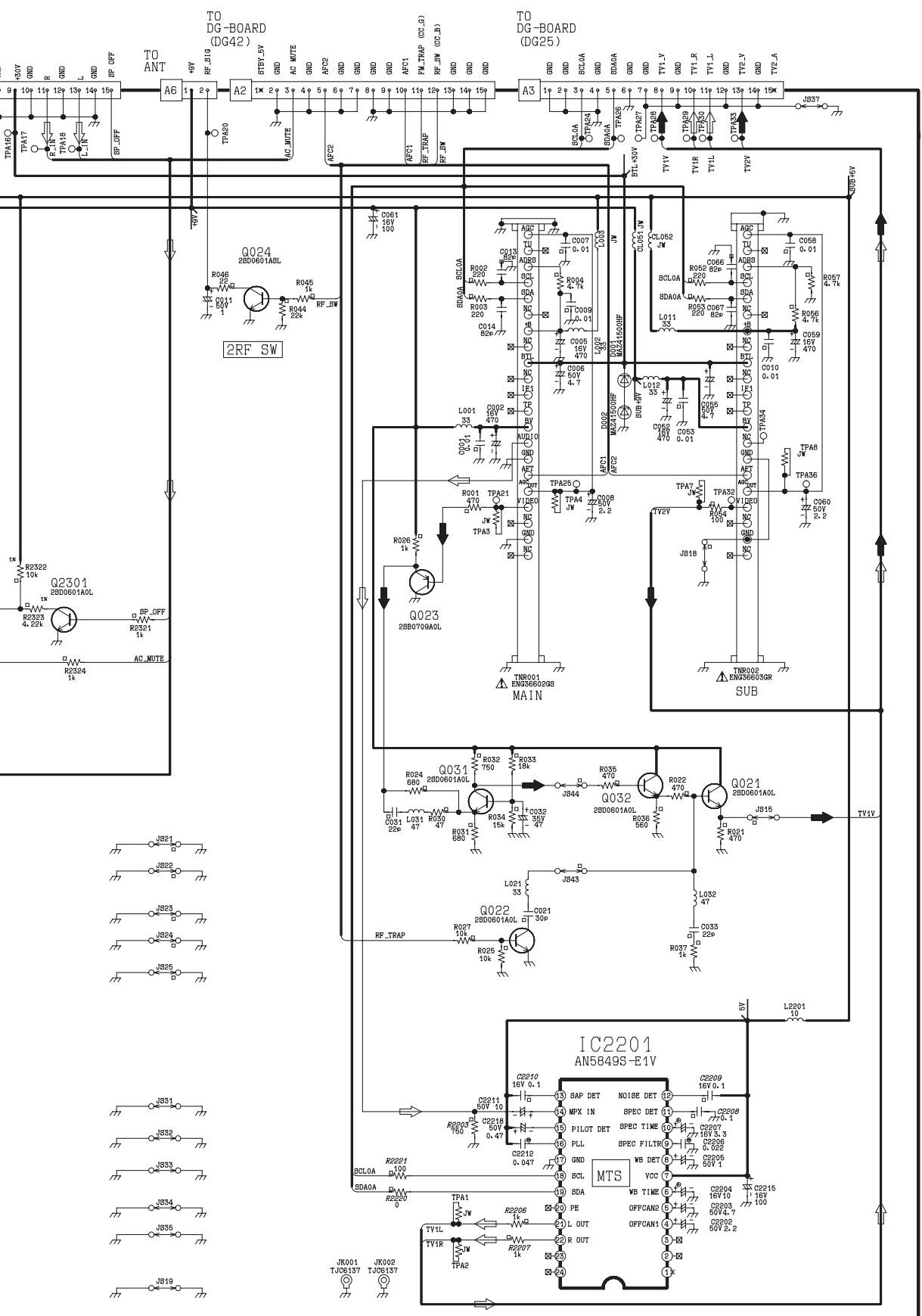
d. Make sure to disconnect the power plug before removing the chassis.

2. Following diodes are interchangeable.

MA150- MA162 (Replacement part)

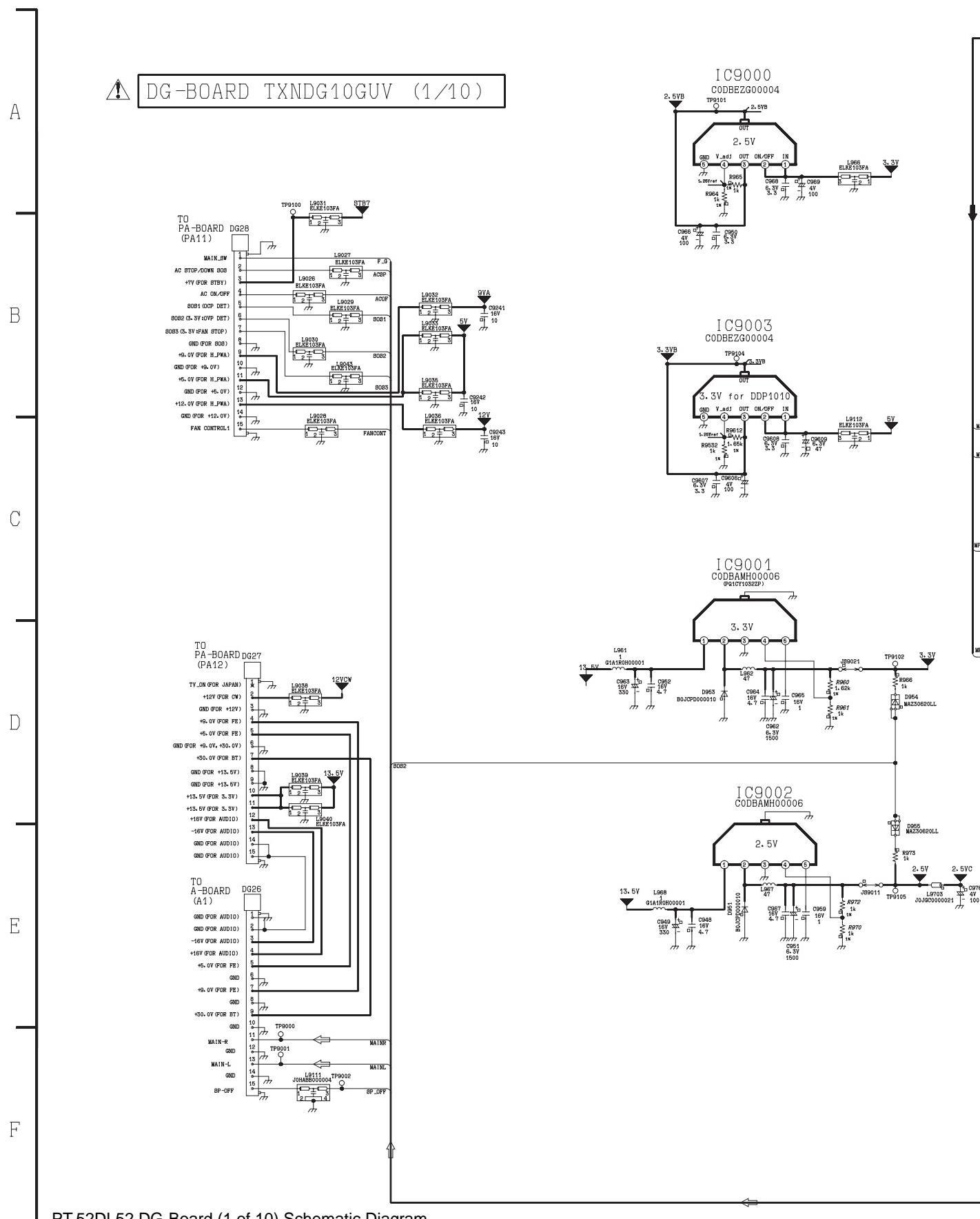
12.2. A-Board Schematic Diagram



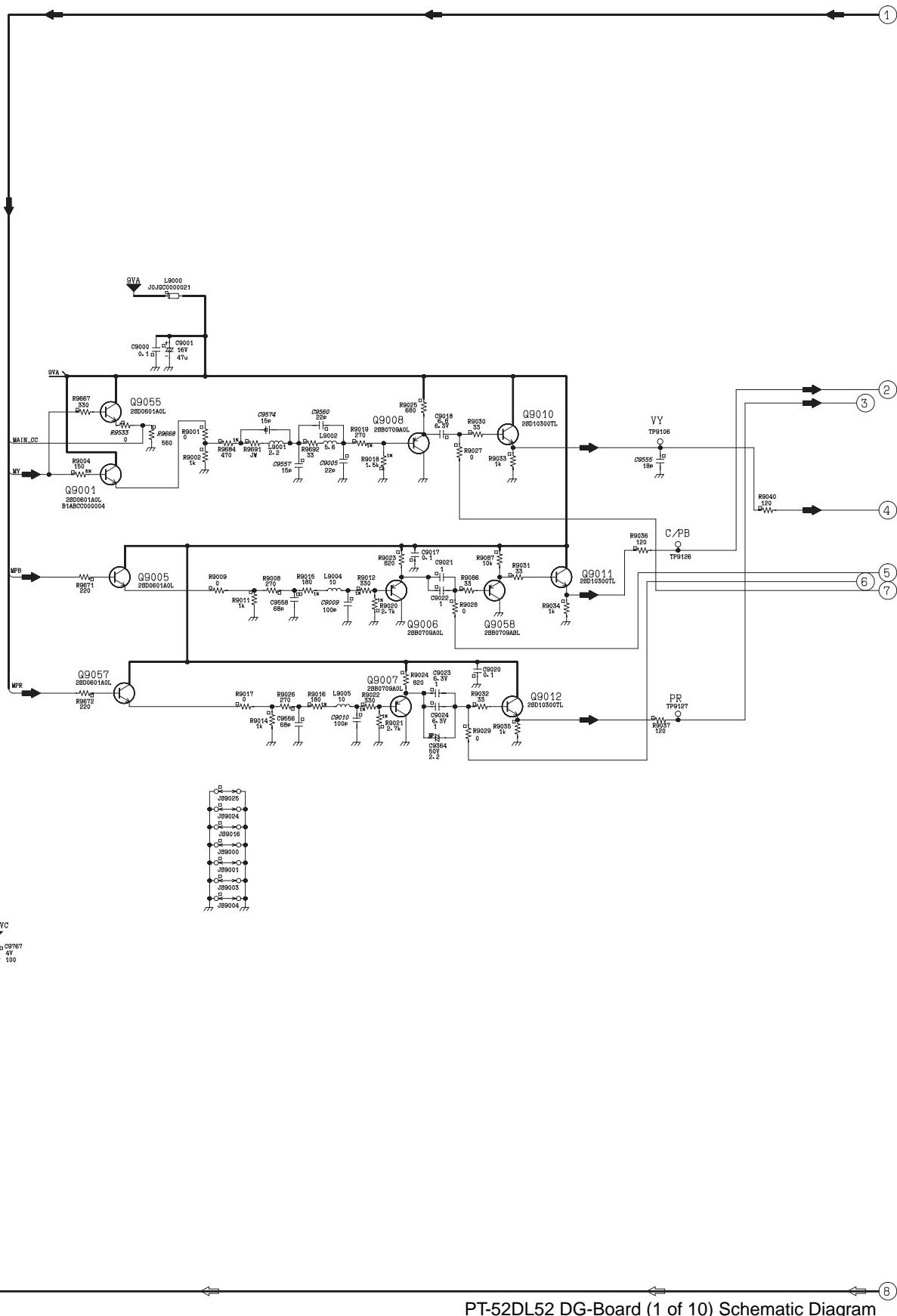


PT-52DL52 A-Board Schematic Diagram

12.3. DG-Board (1 of 10) Schematic Diagram



PT-52DL52 DG-Board (1 of 10) Schematic Diagram



PT-52DL52 DG-Board (1 of 10) Schematic Diagram

5

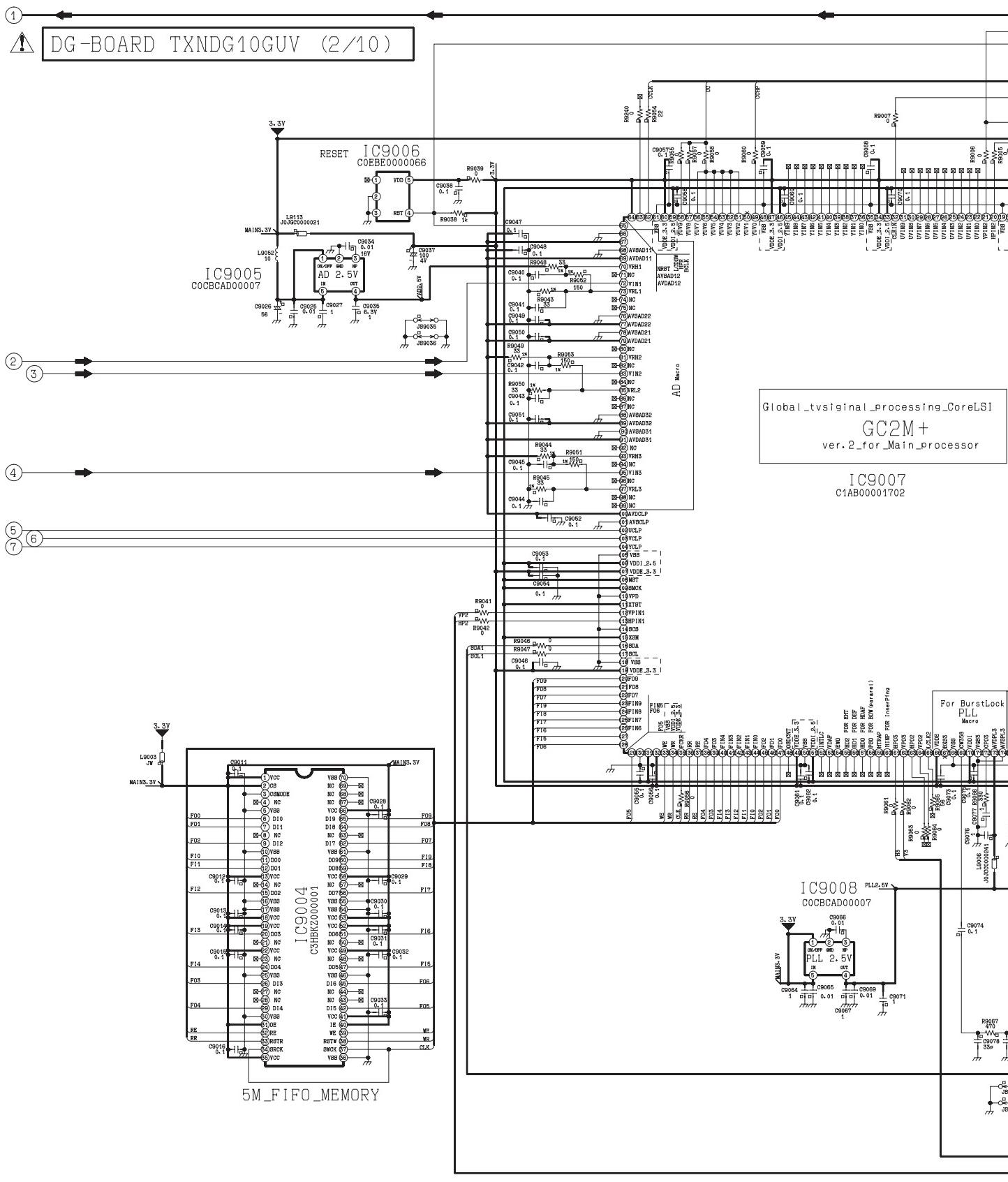
6

7

8

9

12.4. DG-Board (2 of 10) Schematic Diagram



⑧

PT-52DL52 DG-Board (2 of 10) Schematic Diagram

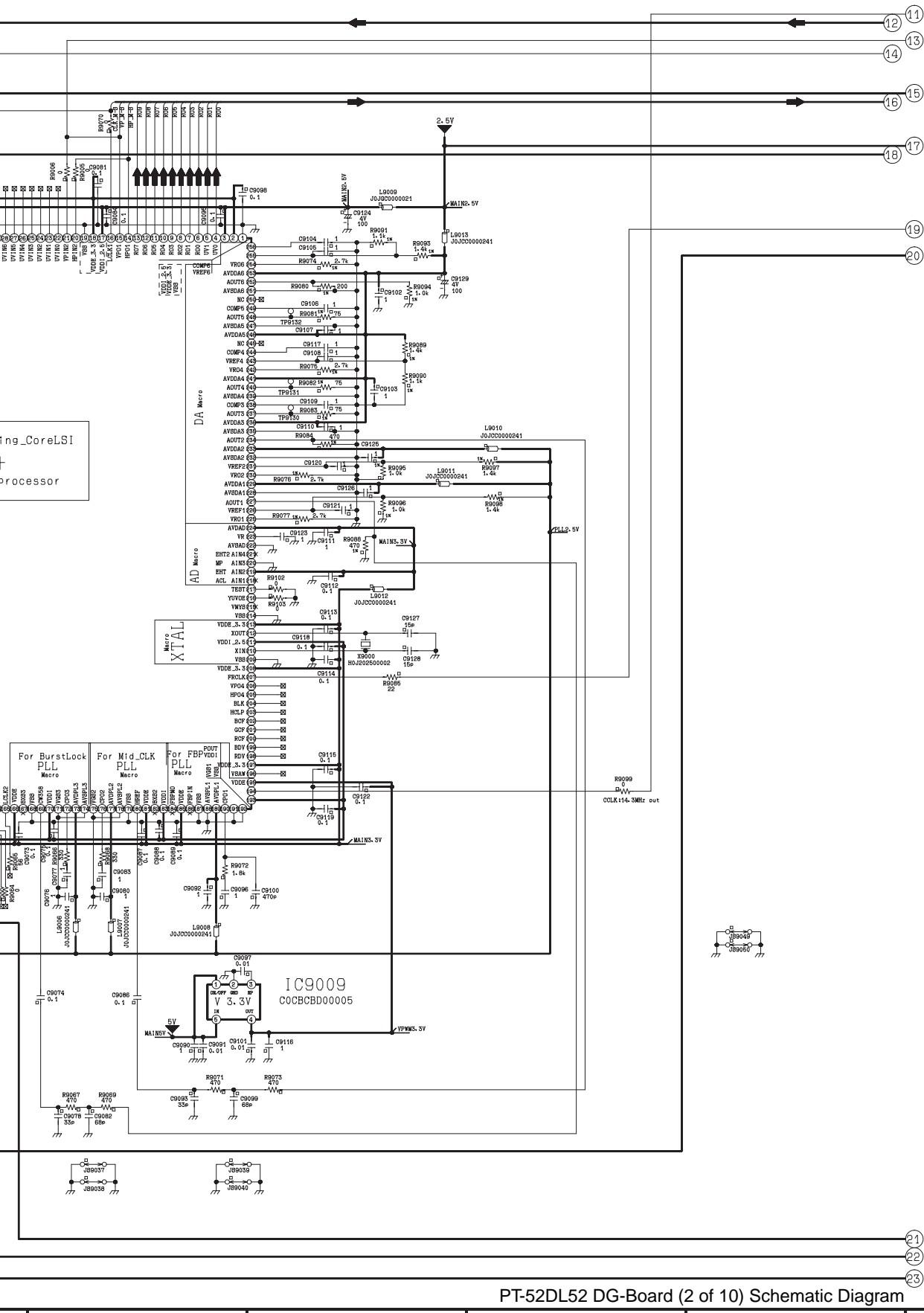
9

10

11

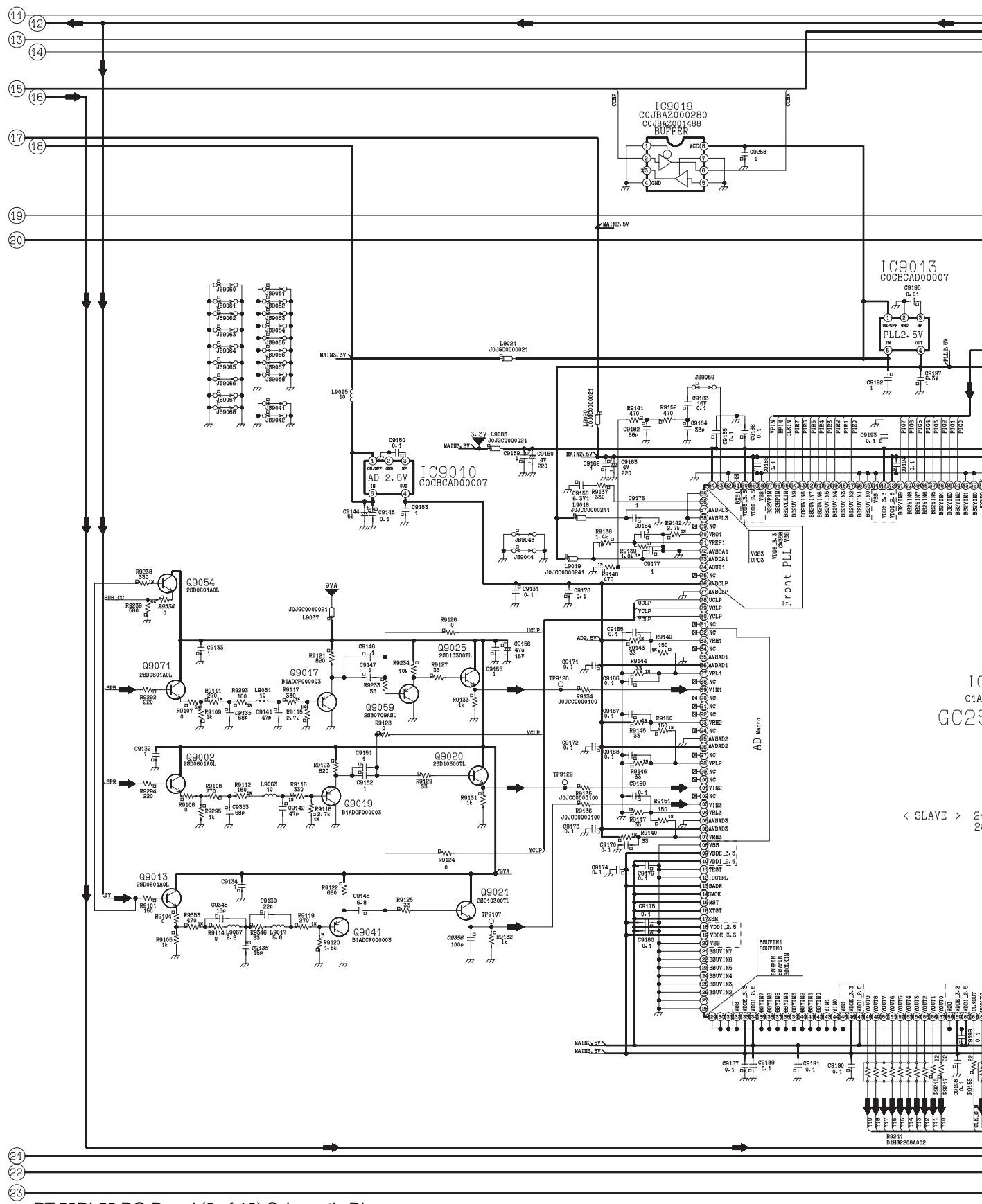
12

13



PT-52DL52 DG-Board (2 of 10) Schematic Diagram

12.5. DG-Board (3 of 10) Schematic Diagram



PT-52DL52 DG-Board (3 of 10) Schematic Diagram

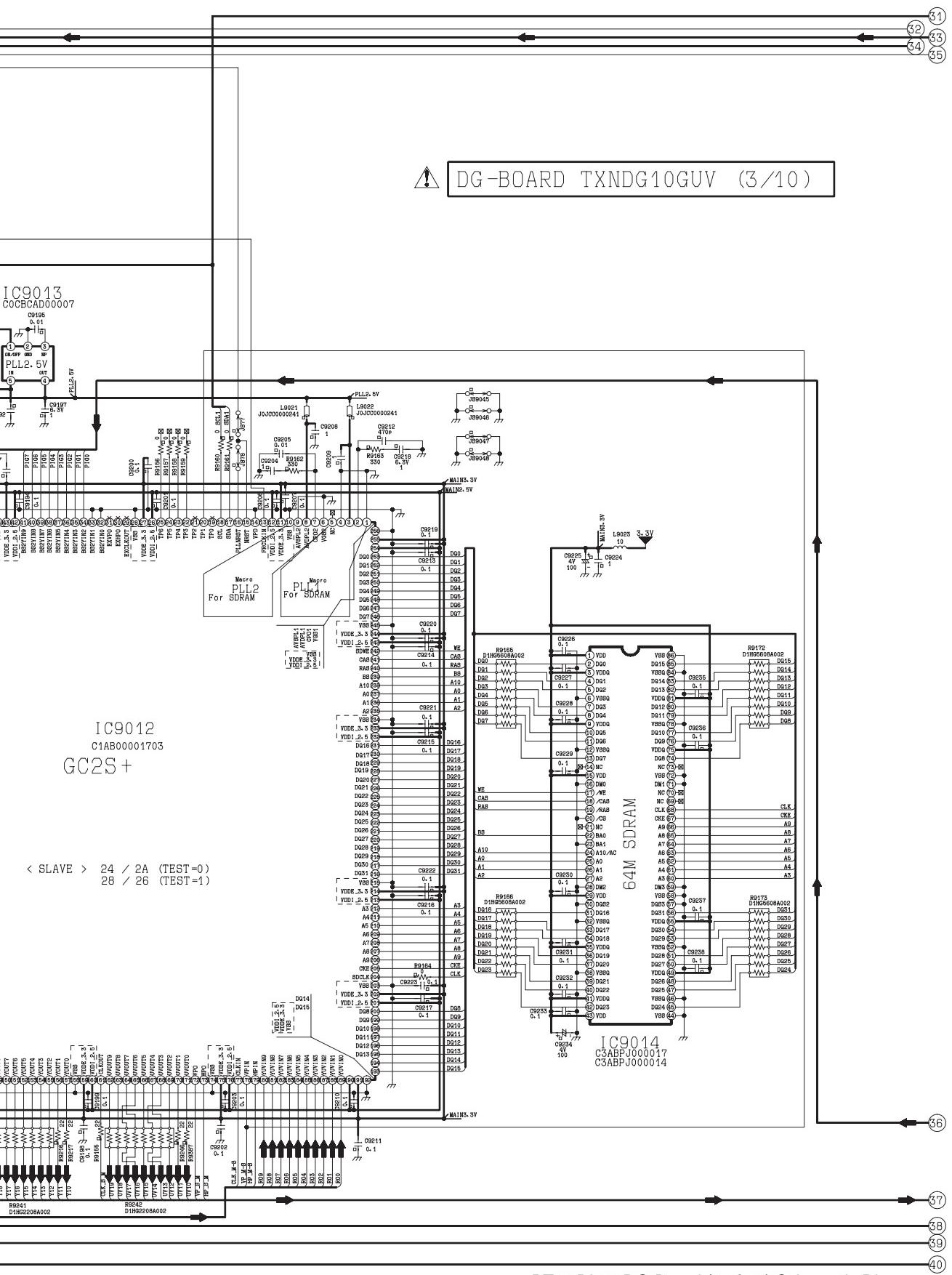
18

19

20

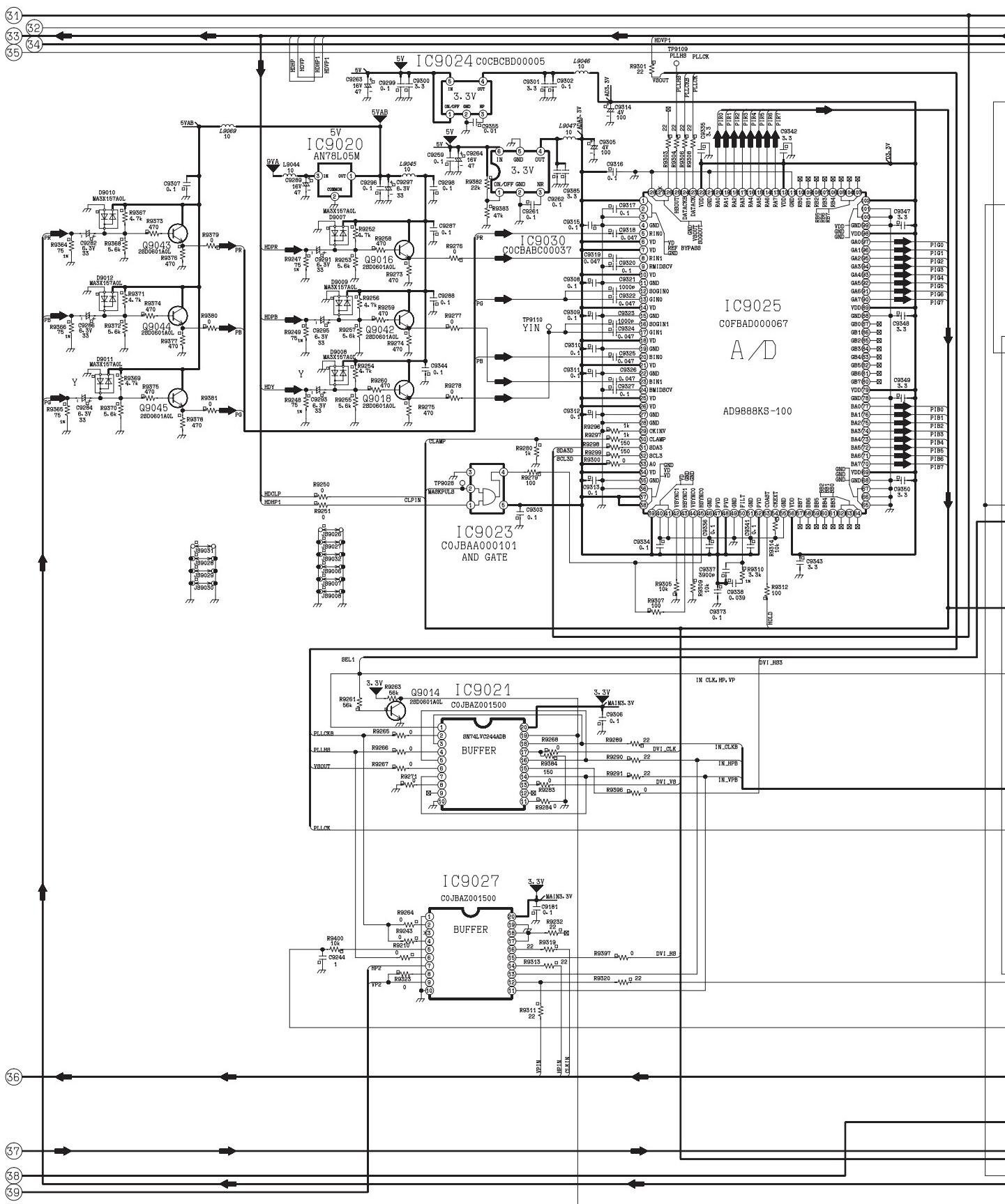
21

22

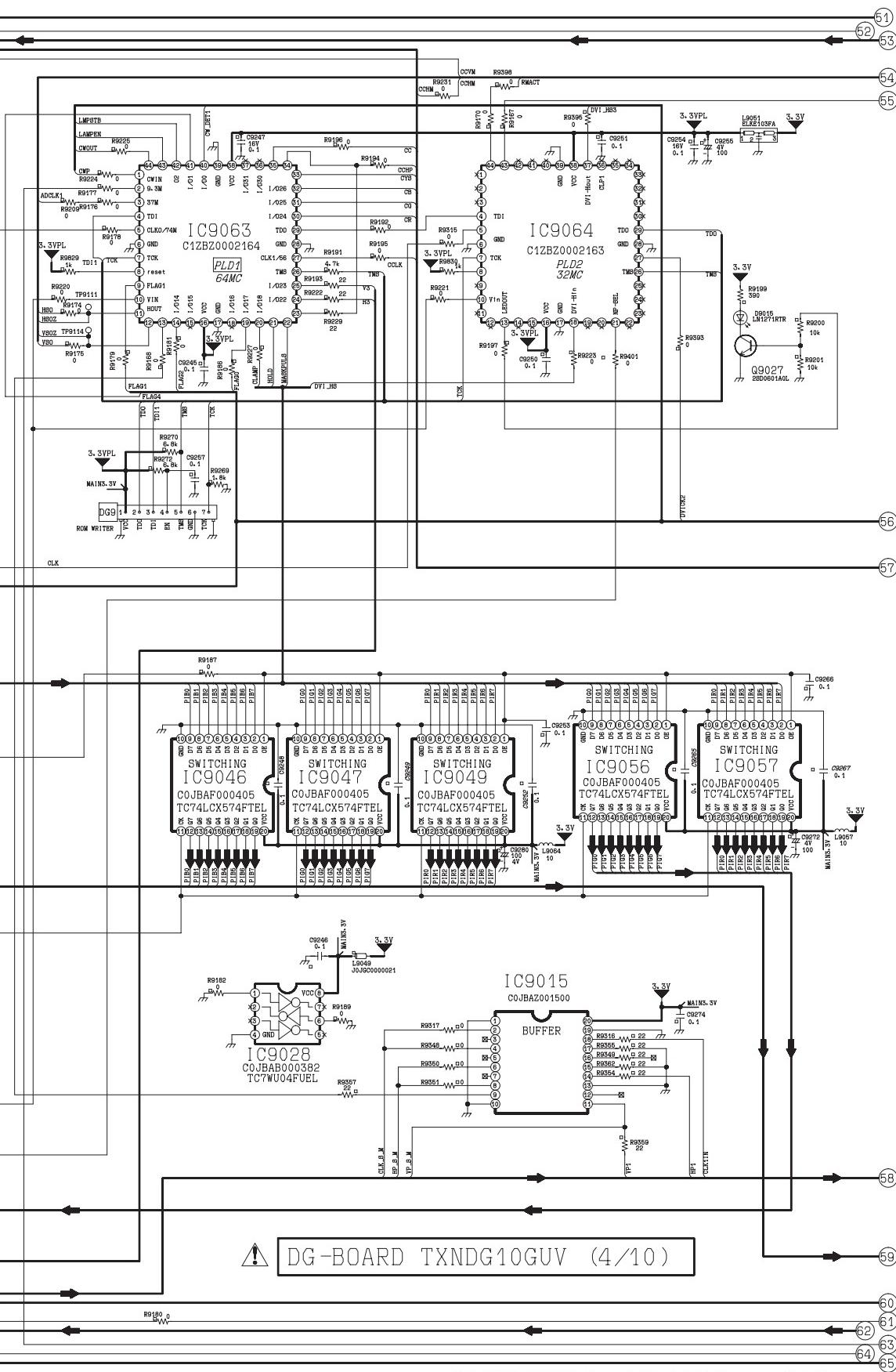


PT-52DL52 DG-Board (3 of 10) Schematic Diagram

12.6. DG-Board (4 of 10) Schematic Diagram



PT-52DL52 DG-Board (4 of 10) Schematic Diagram



PT-52DL52 DG-Board (4 of 10) Schematic Diagram

31

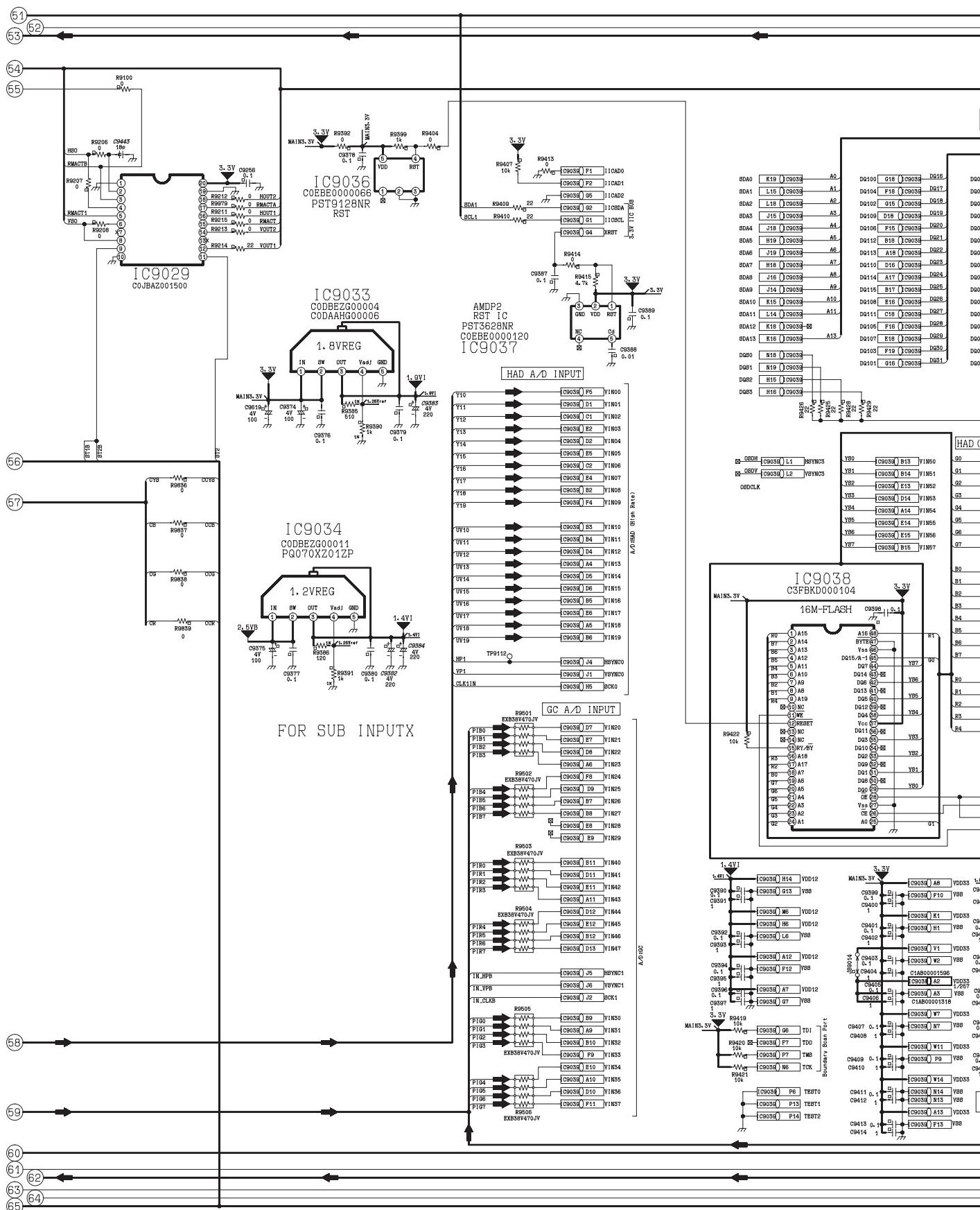
32

33

34

35

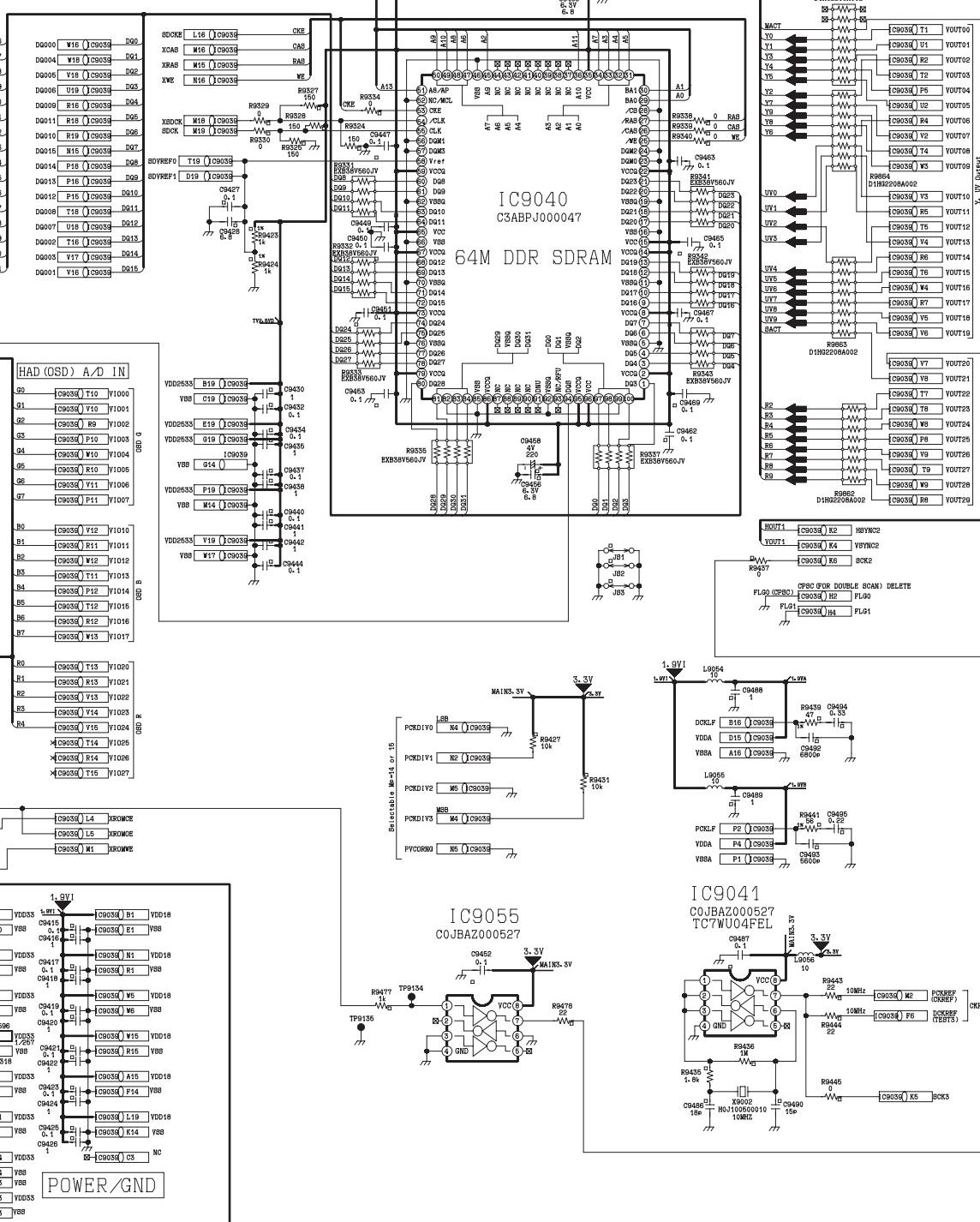
12.7. DG-Board (5 of 10) Schematic Diagram



PT-52DL52 DG-Board (5 of 10) Schematic Diagram

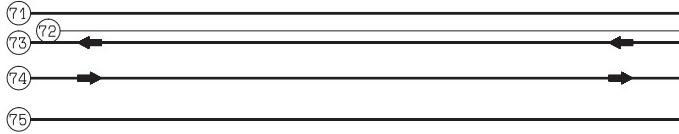
DG-BOARD TXNDG10GUW (5/10)

MEMORY I/F

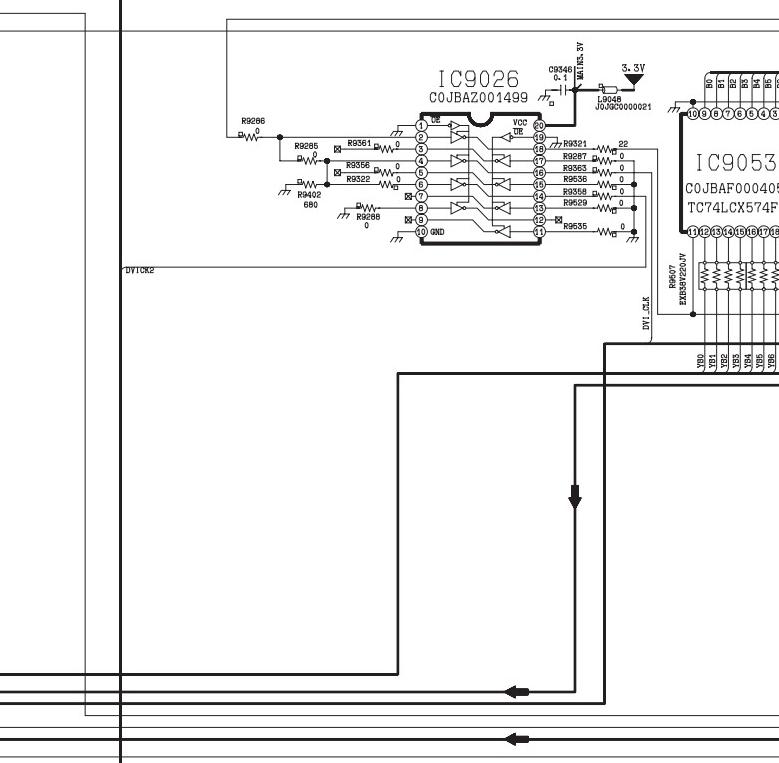
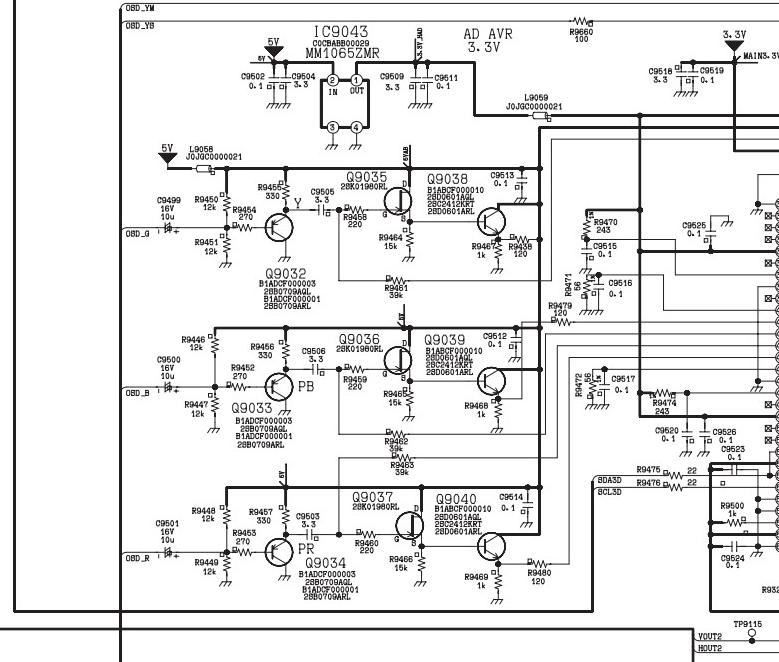


PT-52DL52 DG-Board (5 of 10) Schematic Diagram

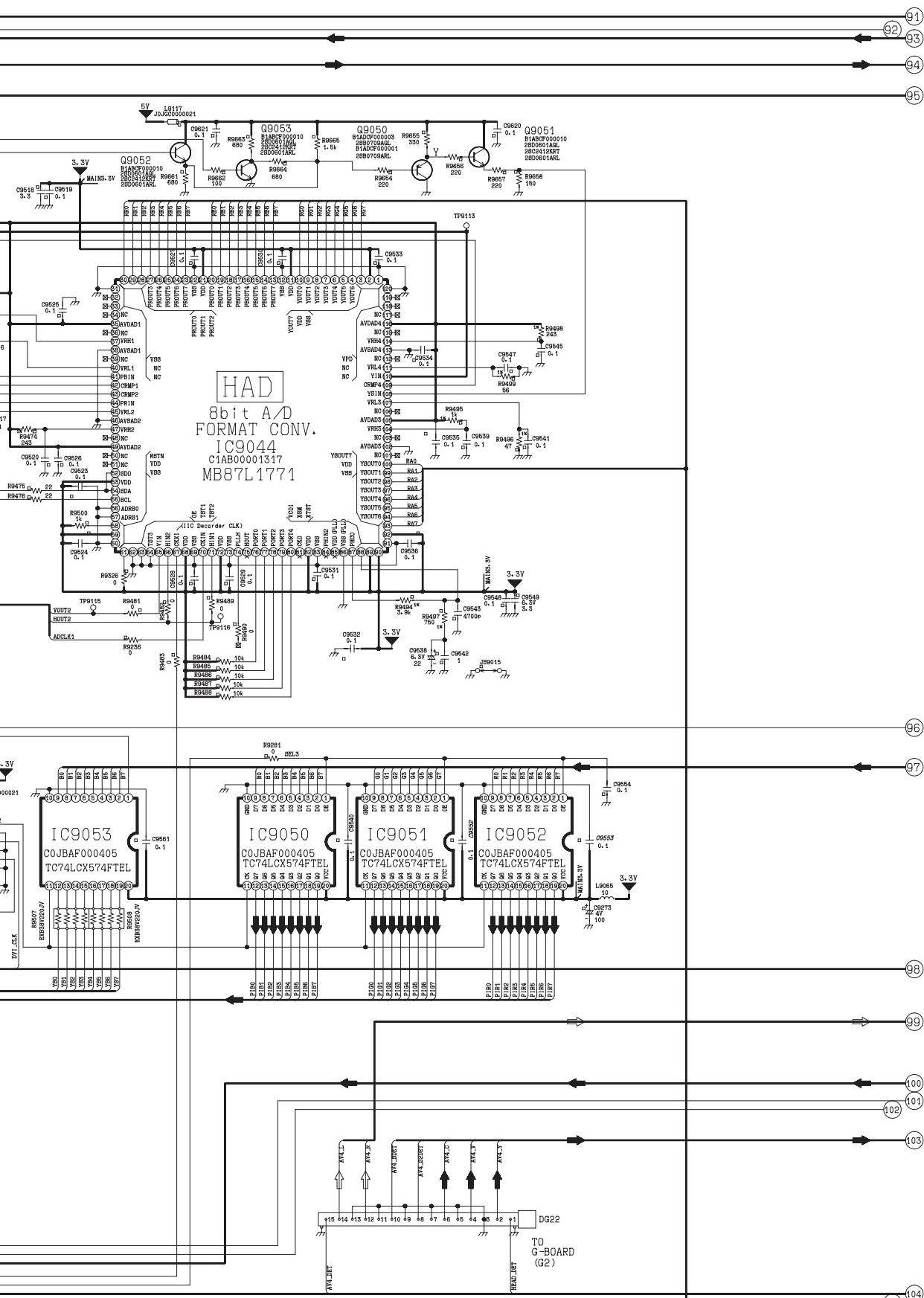
12.8. DG-Board (6 of 10) Schematic Diagram



DG-BOARD TXNDG10GUV (6/10)



PT-52DL52 DG-Board (6 of 10) Schematic Diagram



PT-52DL52 DG-Board (6 of 10) Schematic Diagram

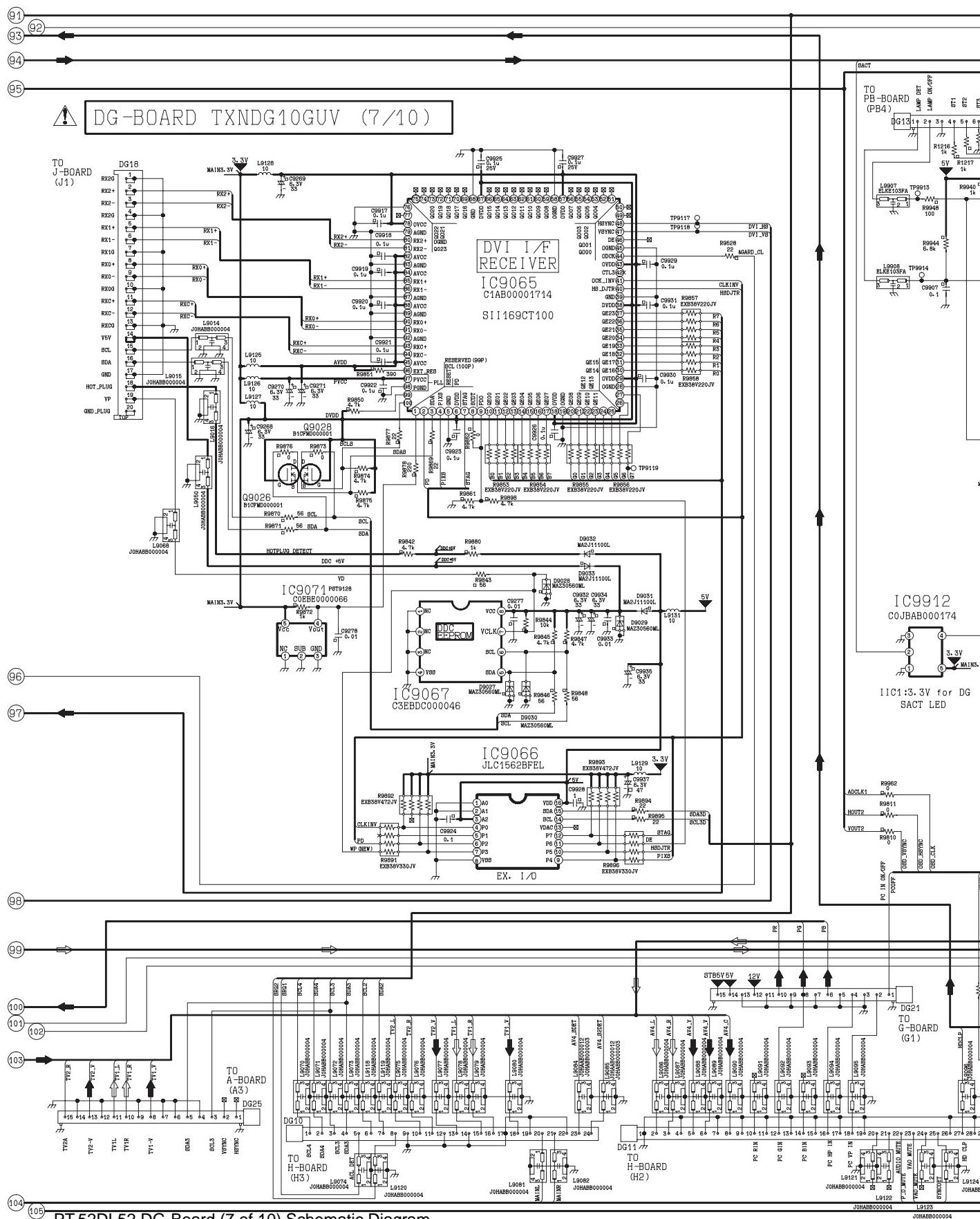
48

49

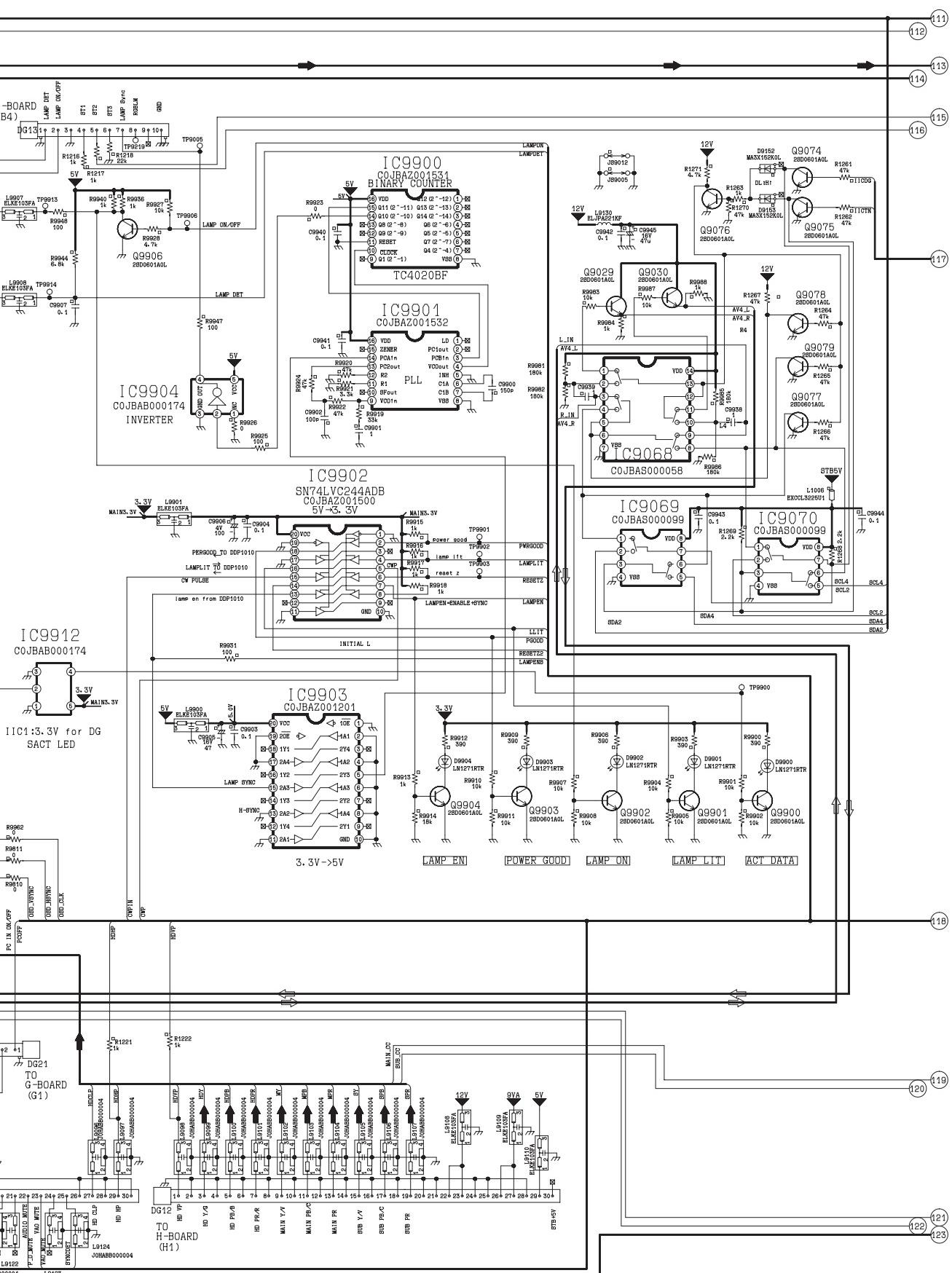
50

51

12.9. DG-Board (7 of 10) Schematic Diagram

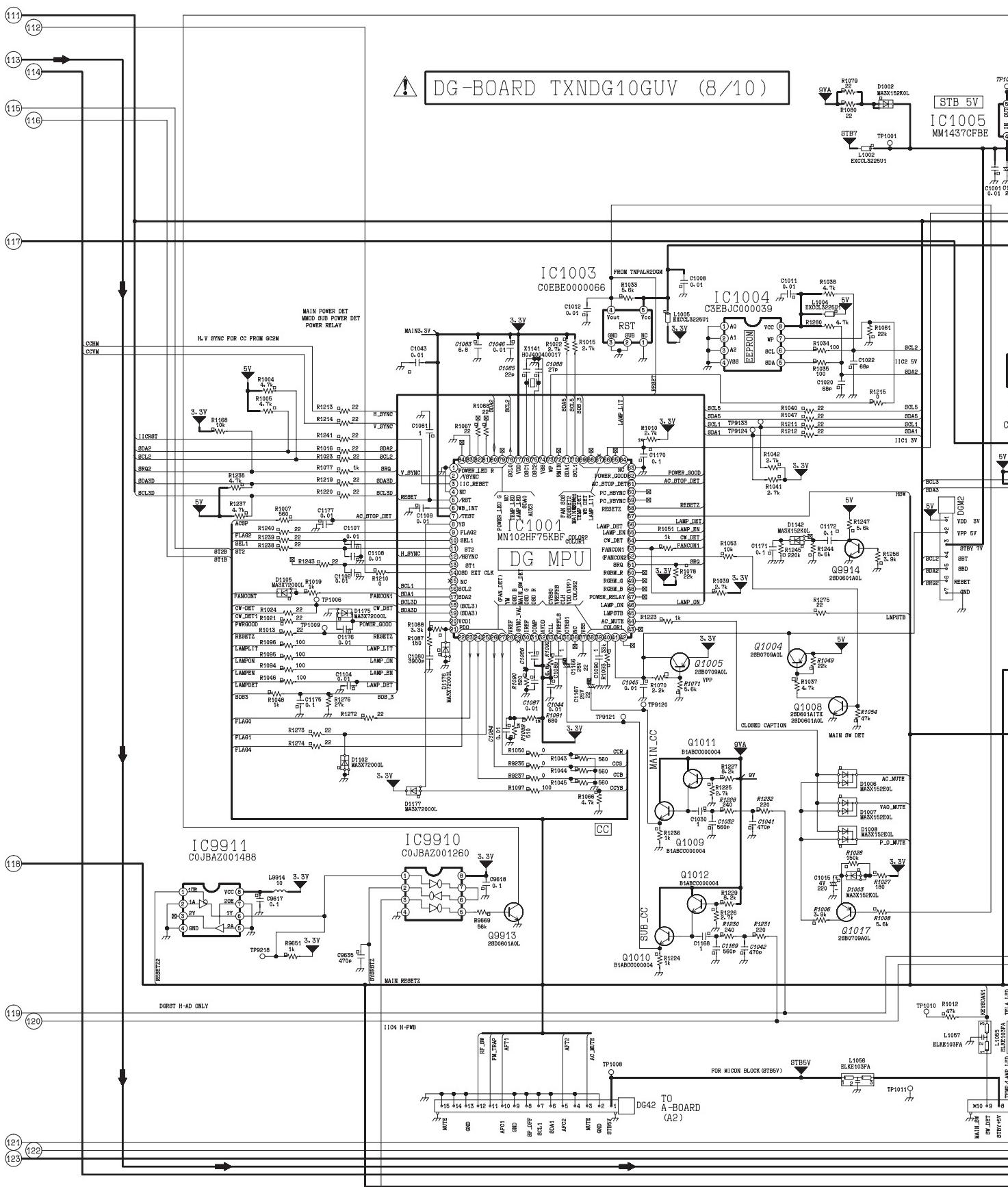


104 105 PT-52DL52 DG-Board (7 of 10) Schematic Diagram

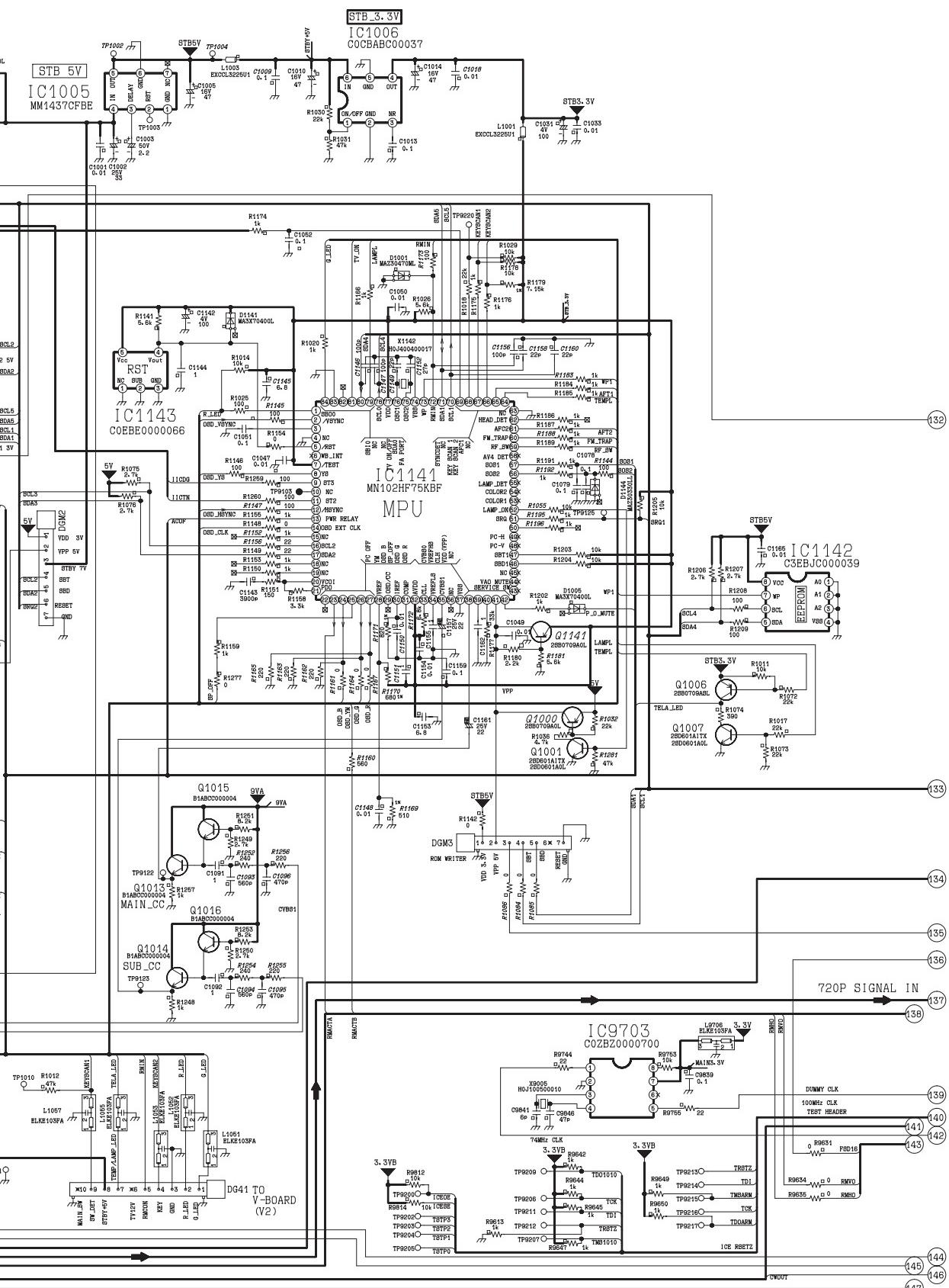


PT-52DL52 DG-Board (7 of 10) Schematic Diagram

12.10. DG-Board (8 of 10) Schematic Diagram

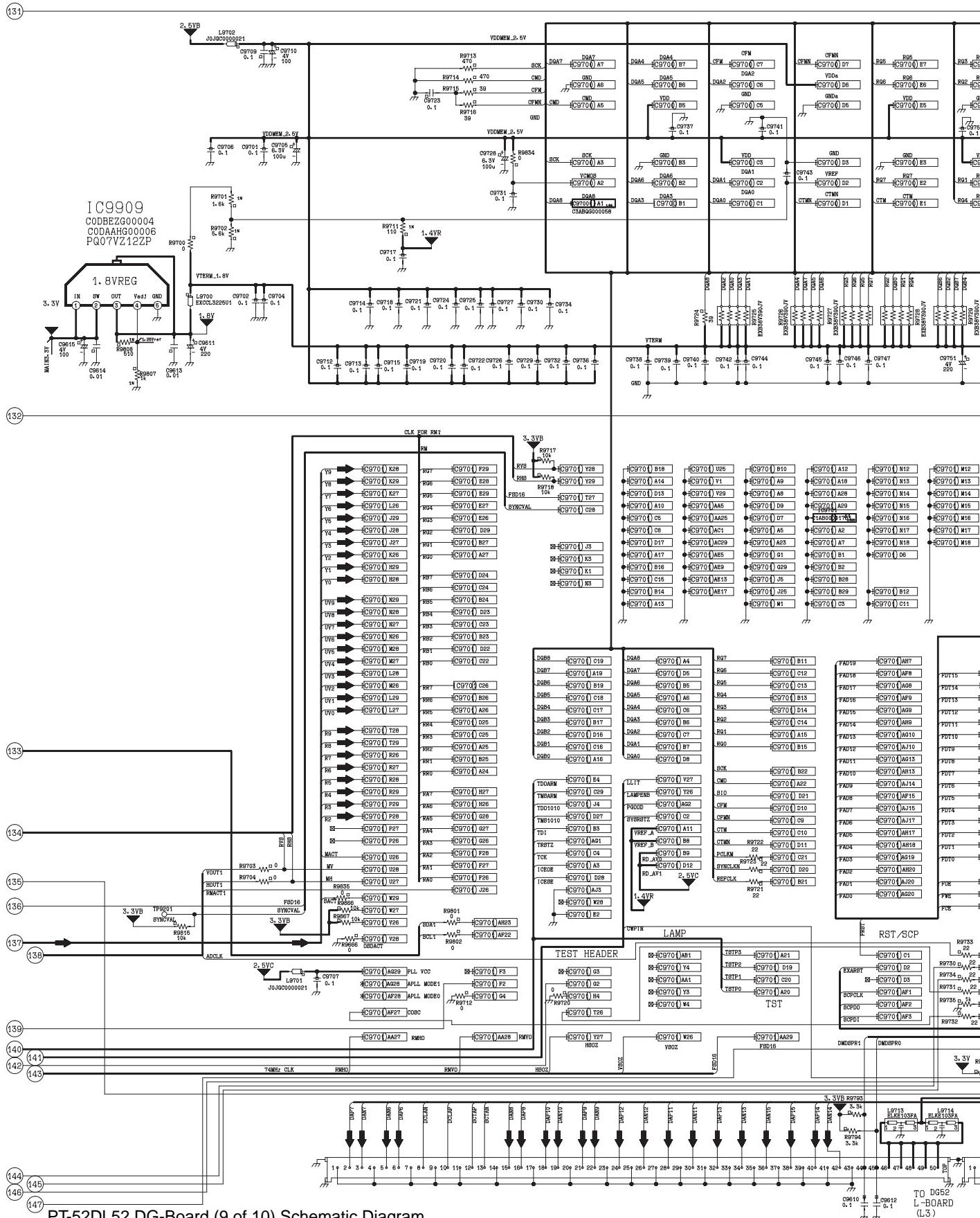


PT-52DL52 DG-Board (8 of 10) Schematic Diagram

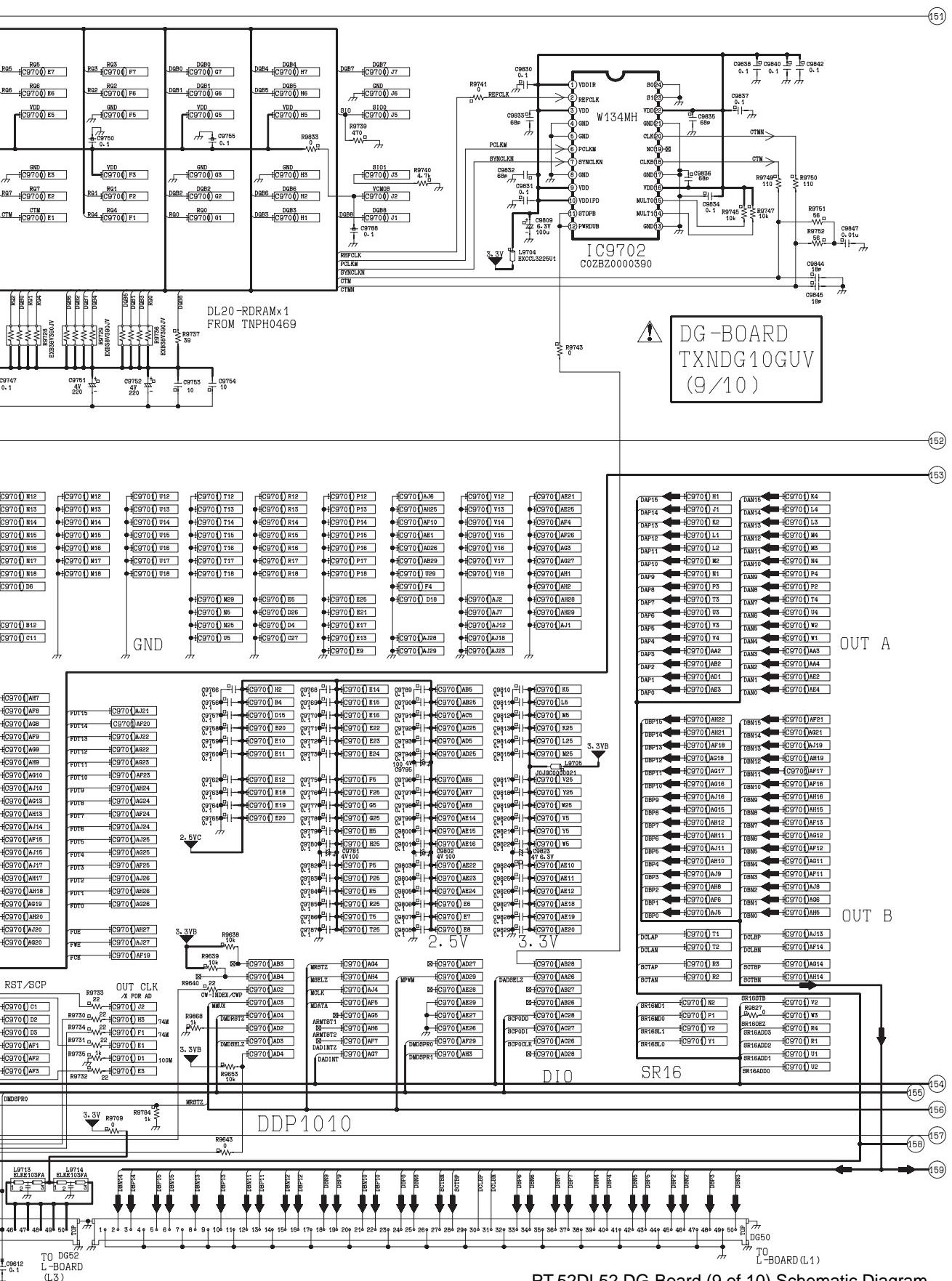


PT-52DL52 DG-Board (8 of 10) Schematic Diagram

12.11. DG-Board (9 of 10) Schematic Diagram



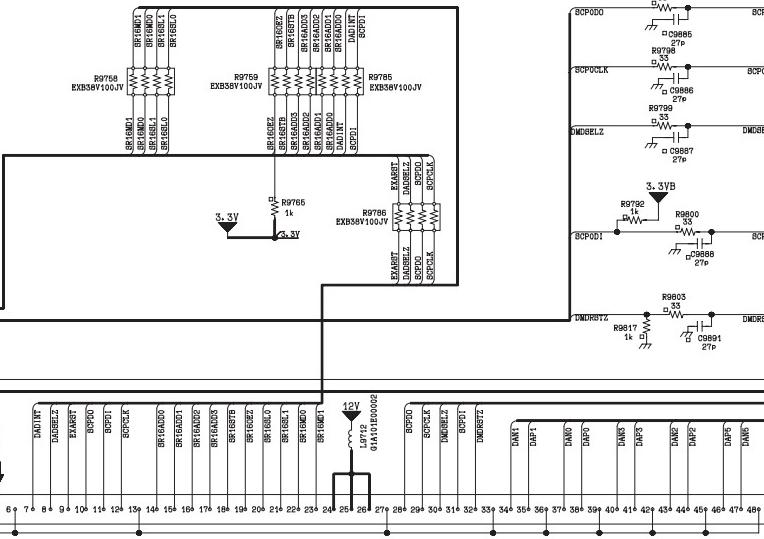
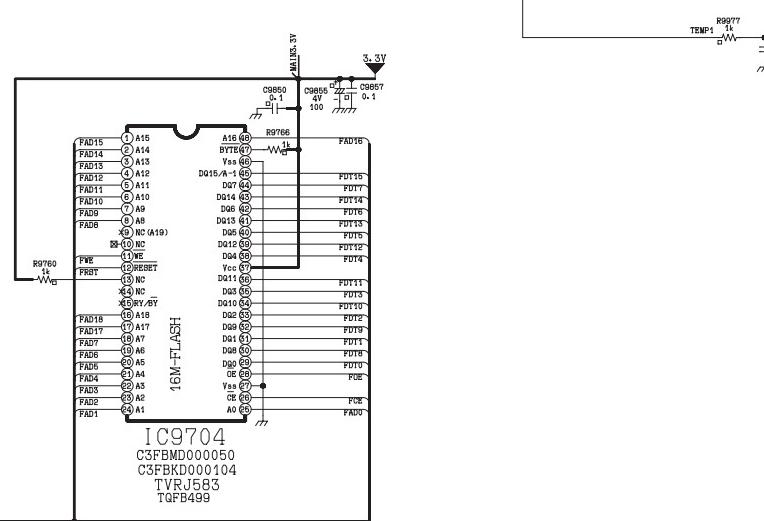
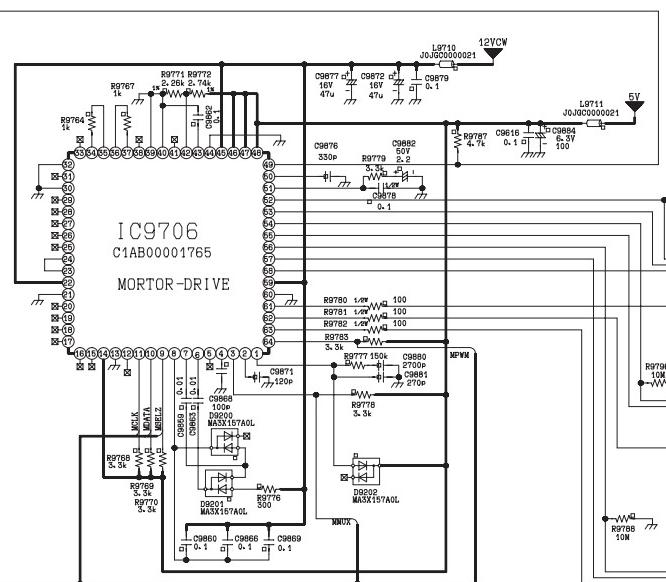
PT-52DL52 DG-Board (9 of 10) Schematic Diagram



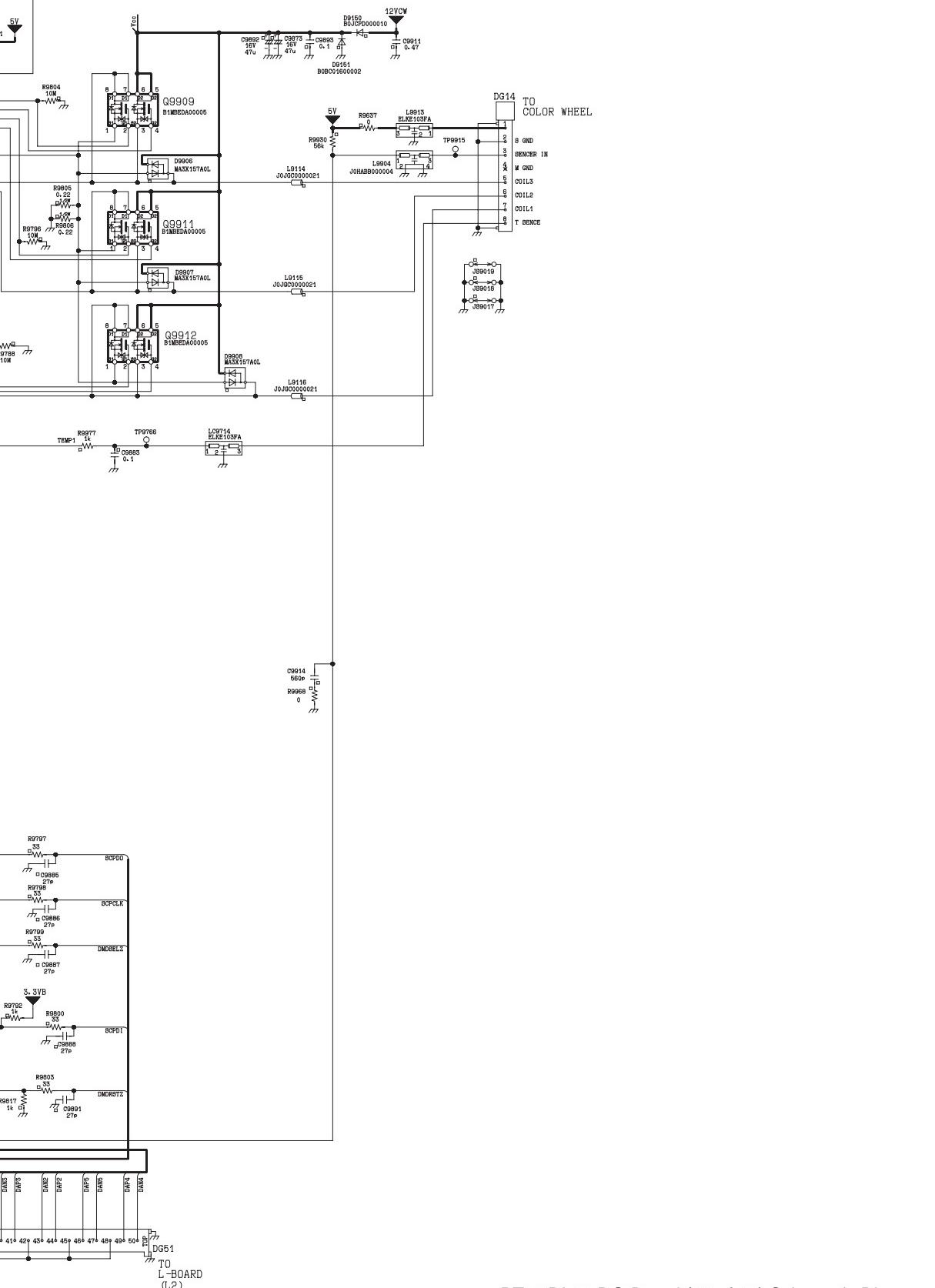
PT-52DL52 DG-Board (9 of 10) Schematic Diagram

12.12. DG-Board (10 of 10) Schematic Diagram

DG-BOARD TXNDG10GUVE (10/10)

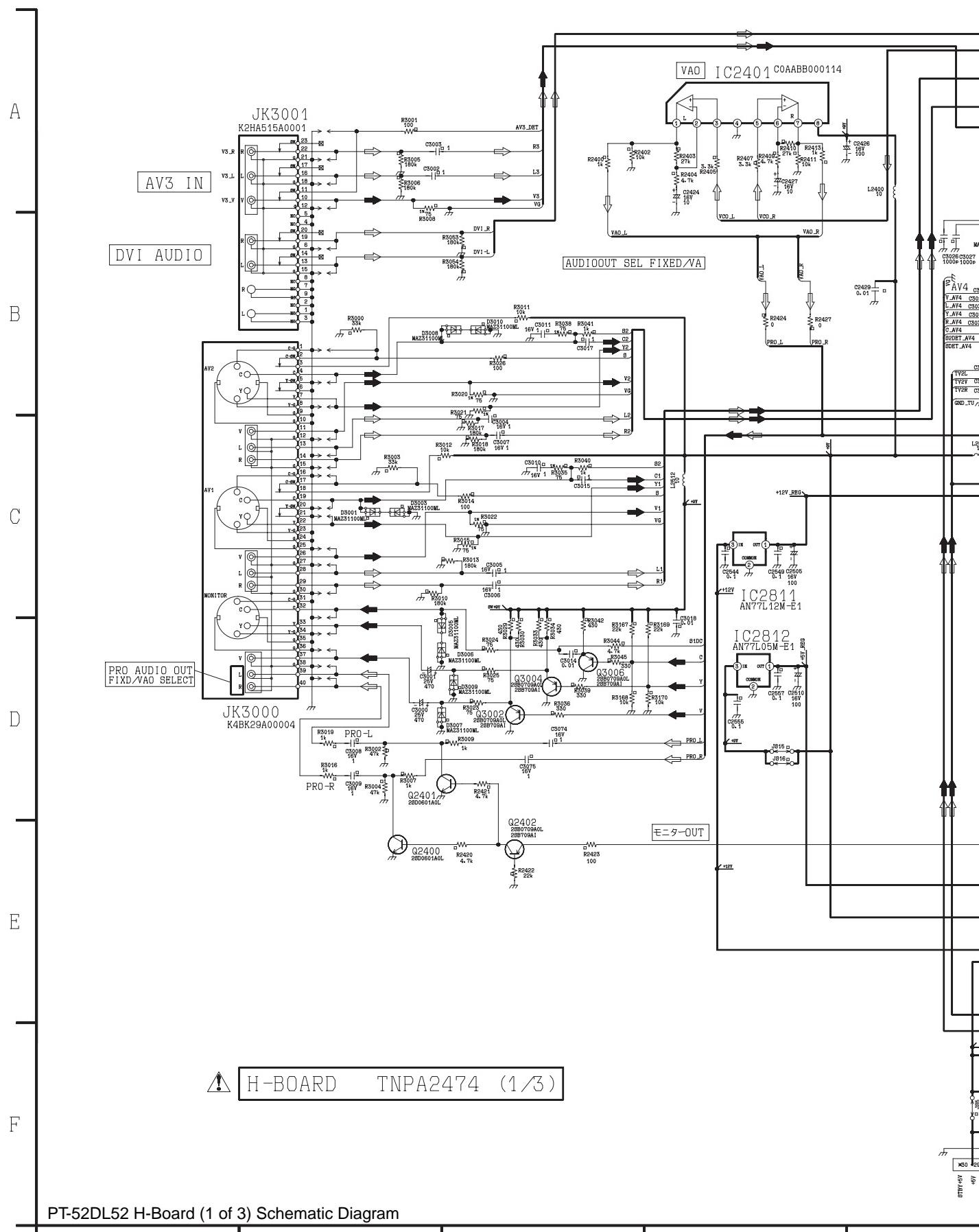


PT-52DL52 DG-Board (10 of 10) Schematic Diagram



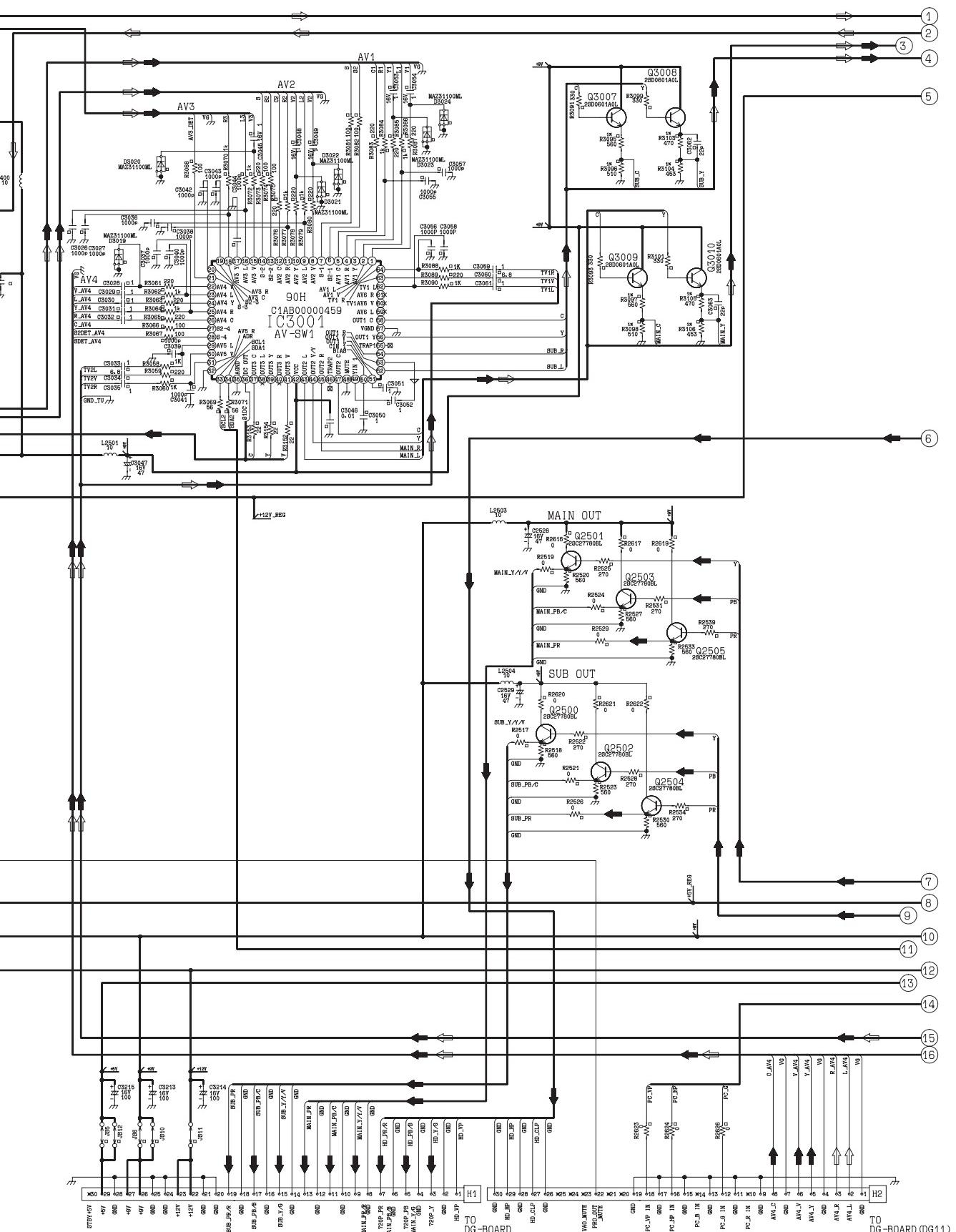
PT-52DL52 DG-Board (10 of 10) Schematic Diagram

12.13. H-Board (1 of 3) Schematic Diagram



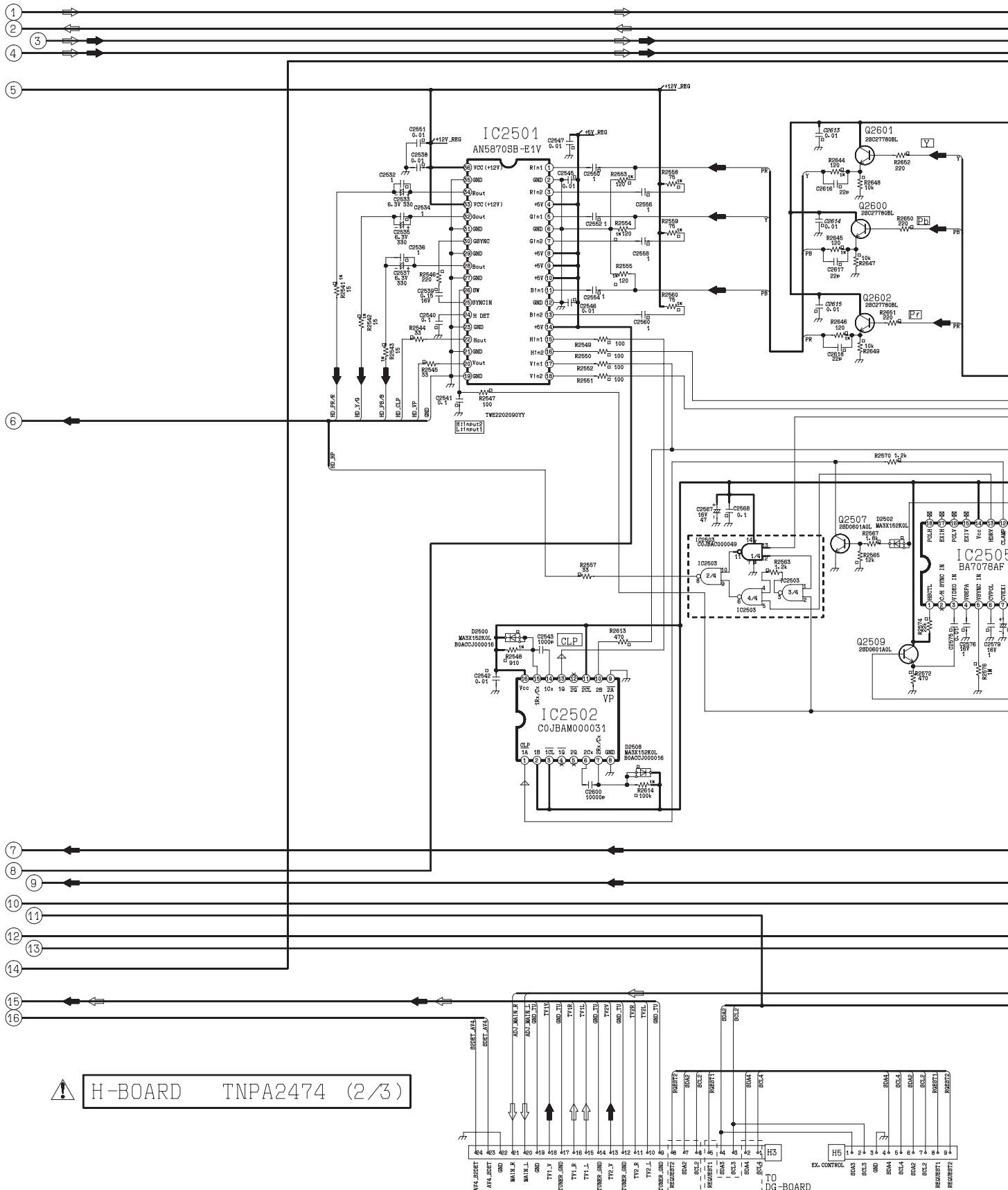
PT-52DL52 H-Board (1 of 3) Schematic Diagram

1 2 3 4 5



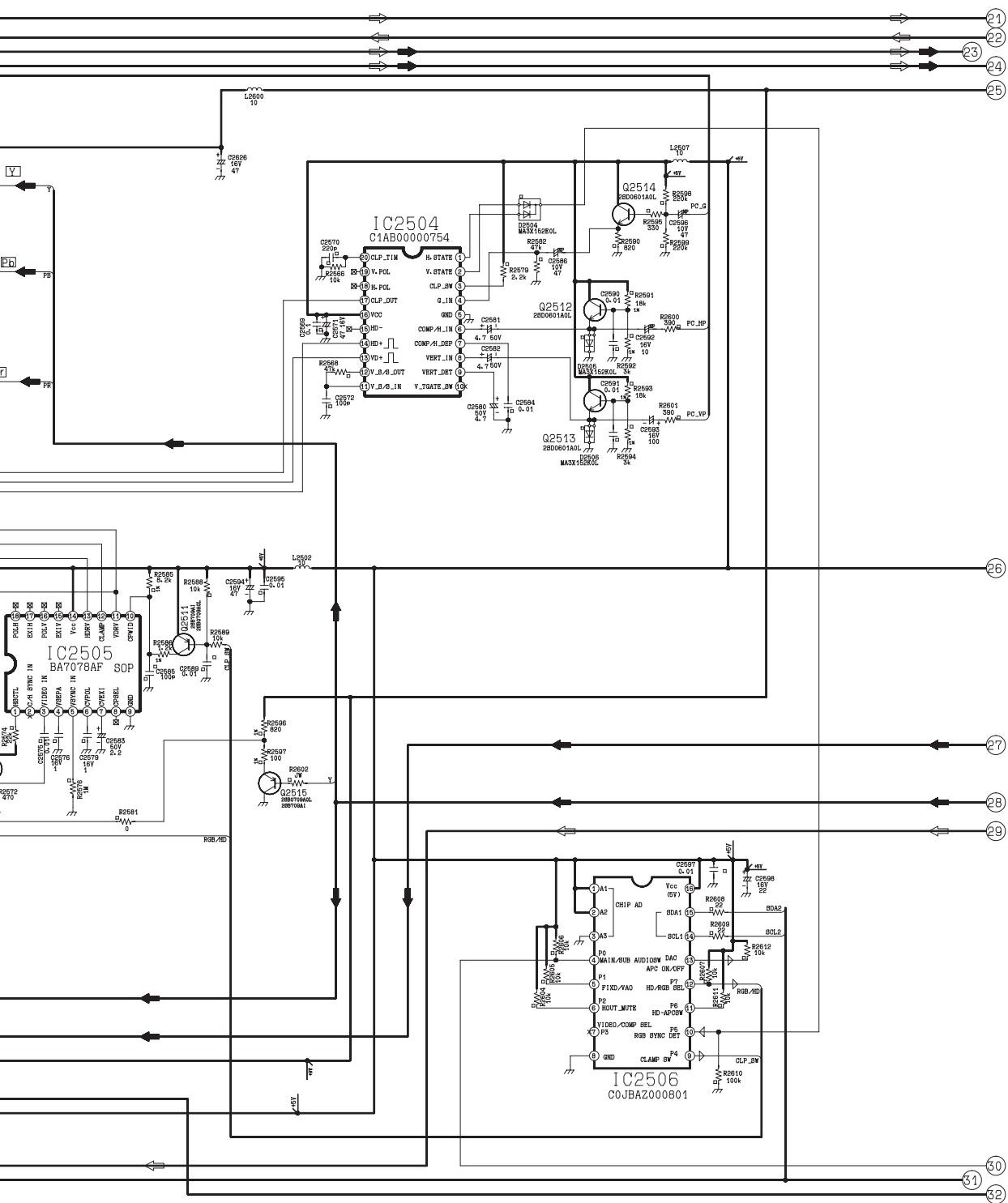
DG-BOARD (DG 1)

12.14. H-Board (2 of 3) Schematic Diagram



PT-52DL52 H-Board (2 of 3) Schematic Diagram

9 10 11 12 13



PT-52DL52 H-Board (2 of 3) Schematic Diagram

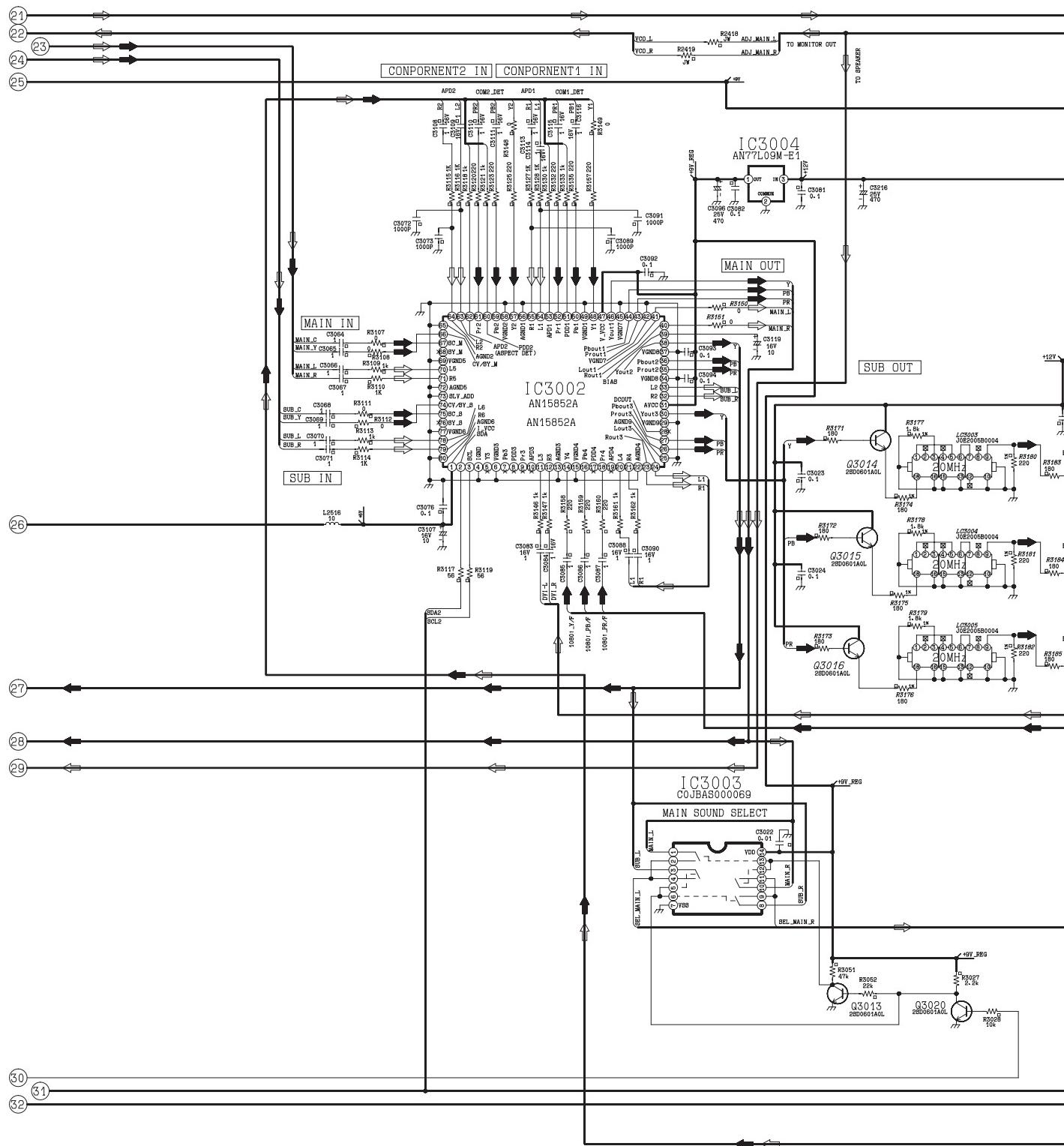
14

15

16

17

12.15. H-Board (3 of 3) Schematic Diagram



H-BOARD TNPA2474 (3/3)

PT-52DL52 H-Board (3 of 3) Schematic Diagram

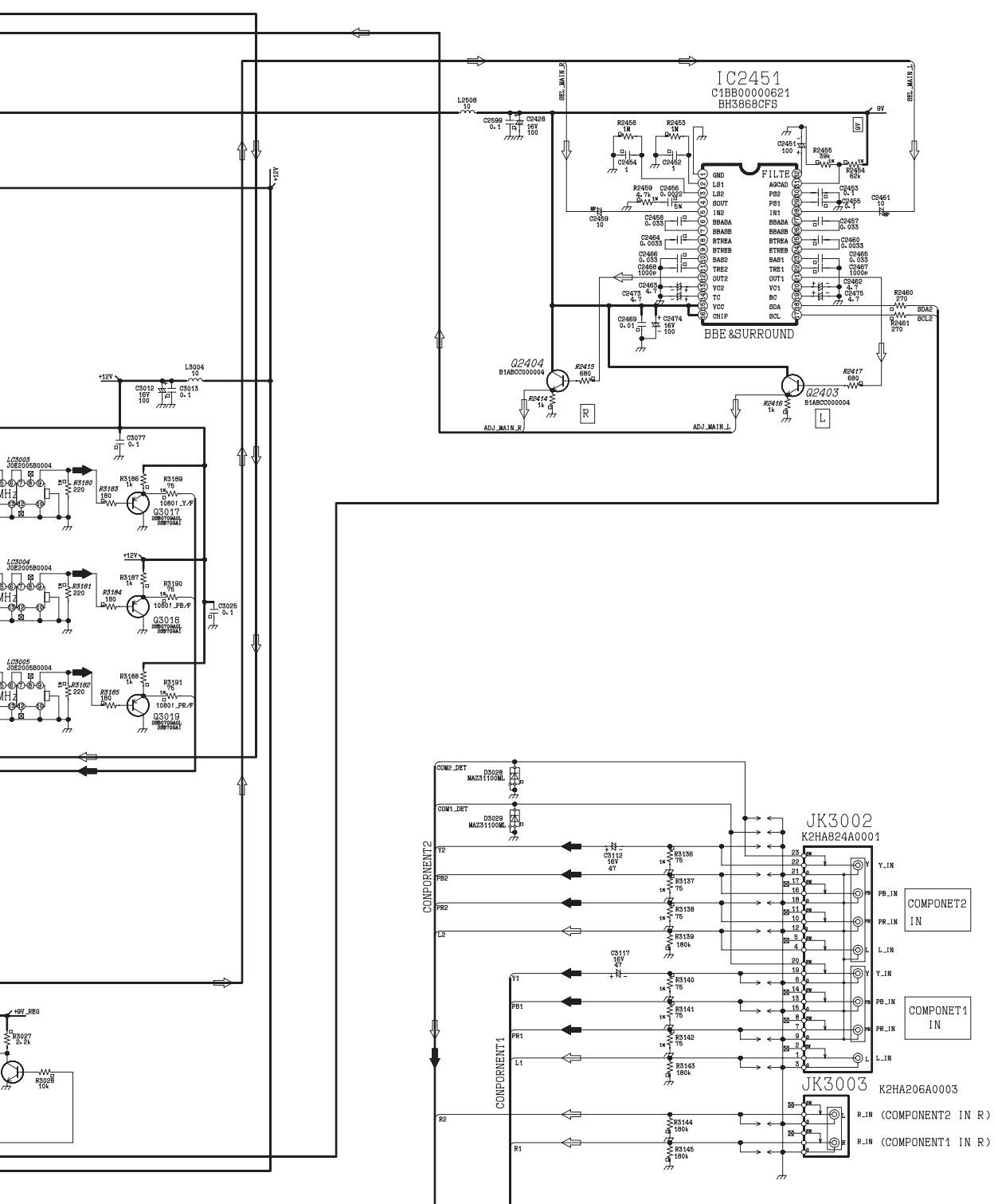
18

19

20

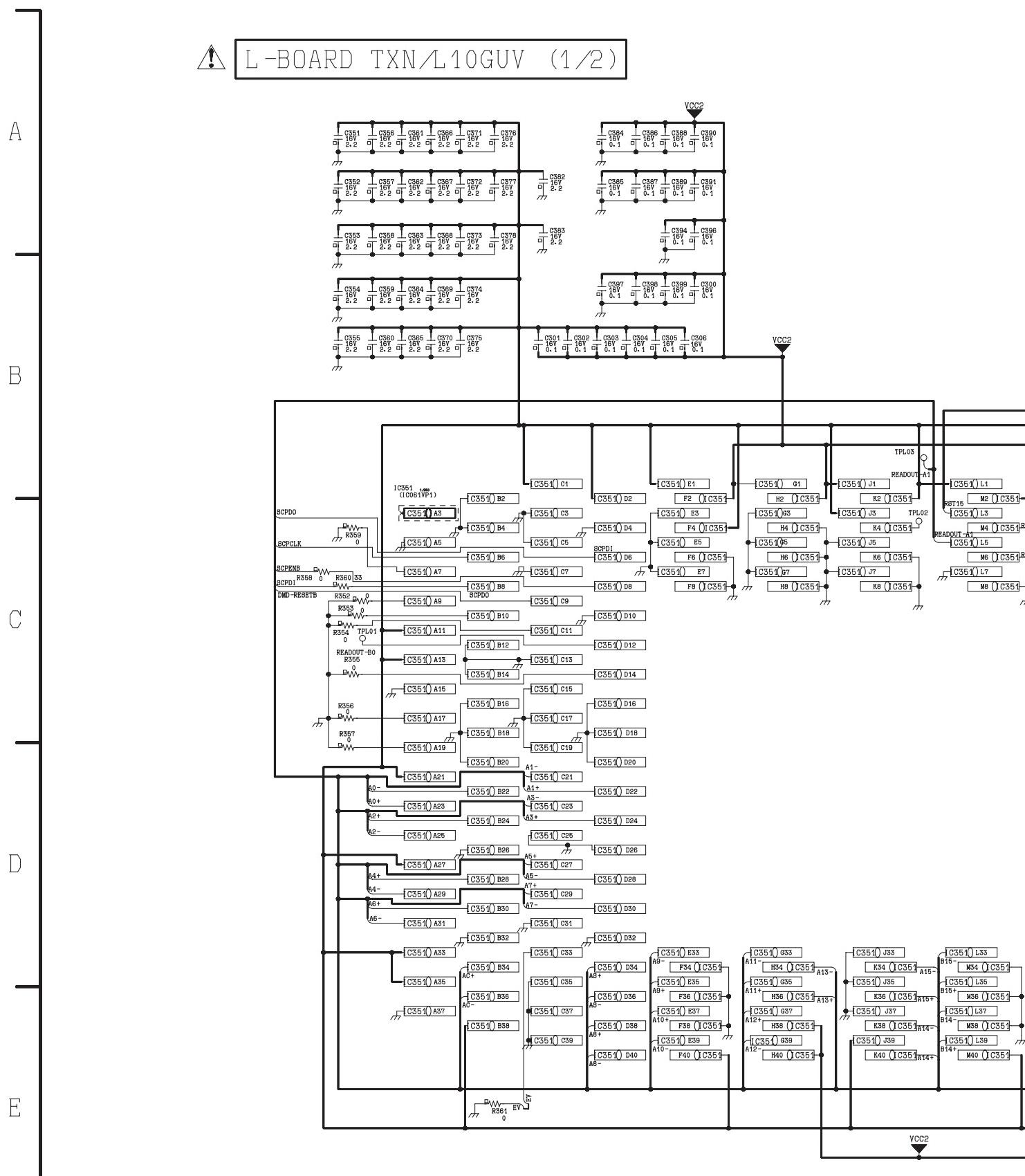
21

22



PT-52DL52 H-Board (3 of 3) Schematic Diagram

12.16. L-Board (1 of 2) Schematic Diagram



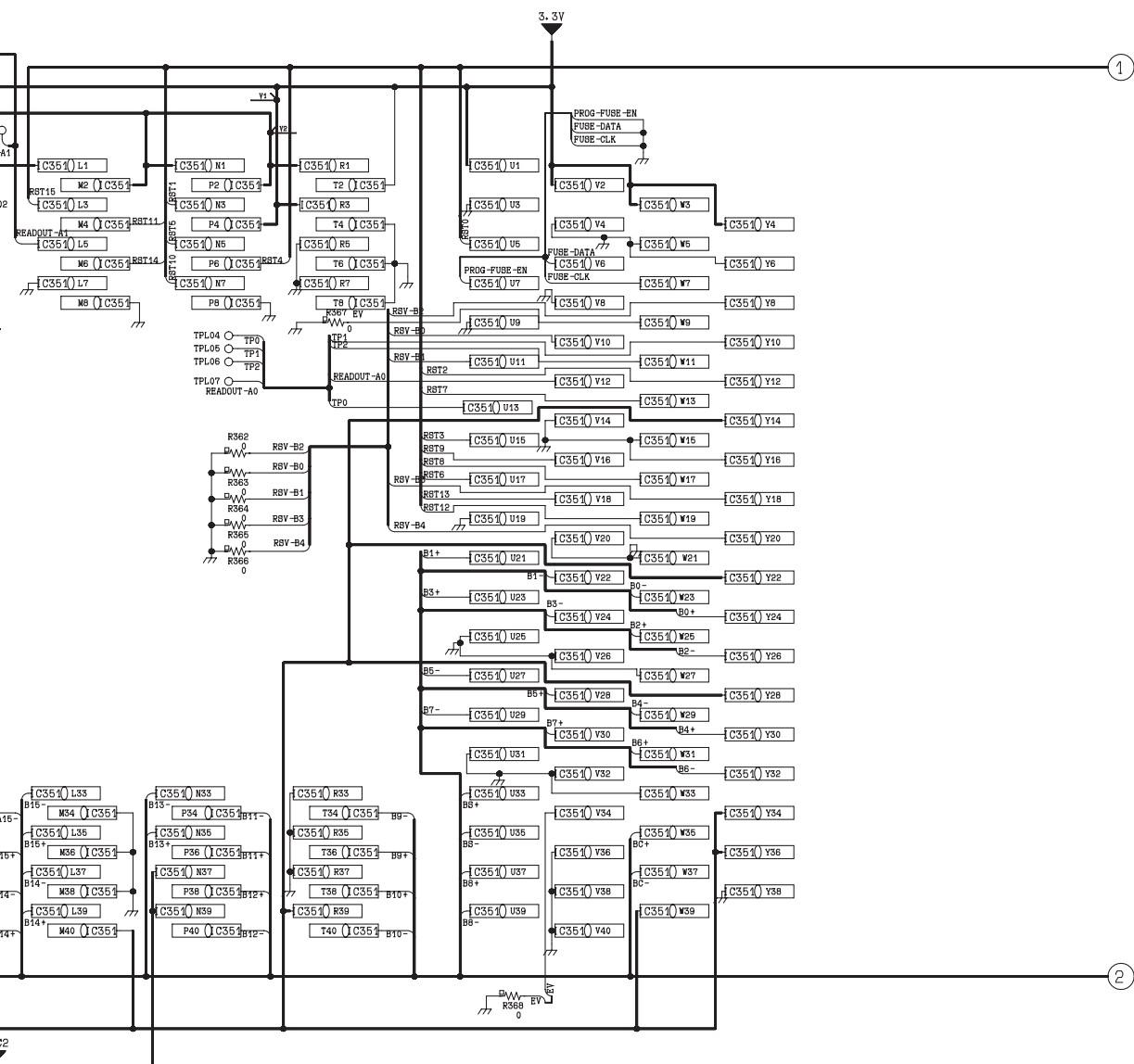
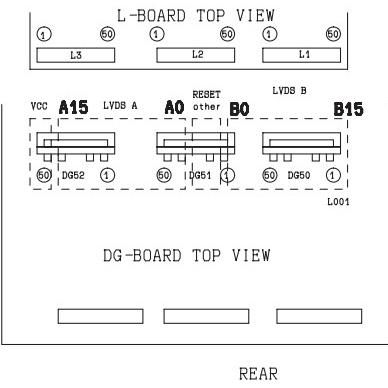
PT-52DL52 L-Board (1 of 2) Schematic Diagram

1

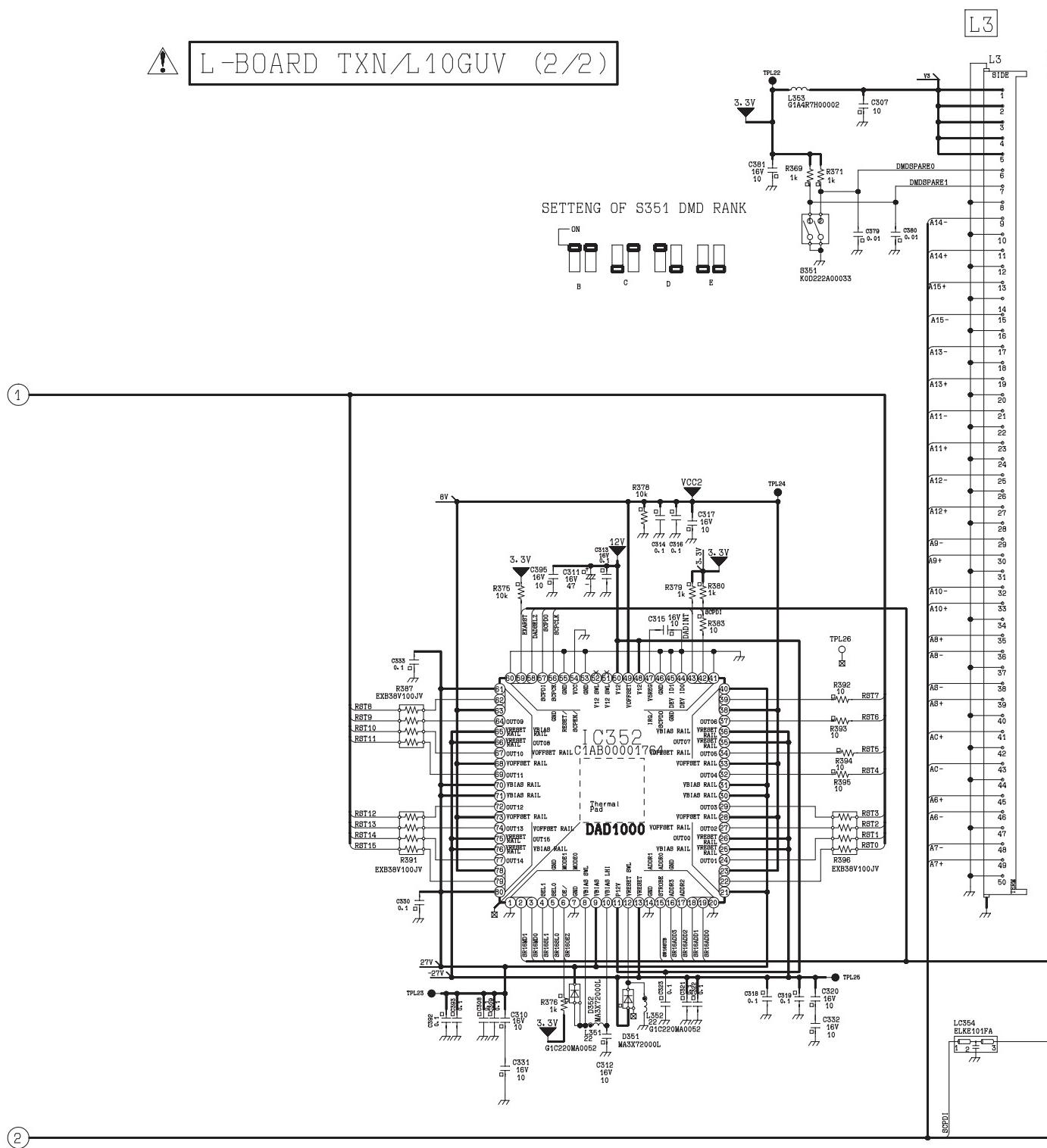
2

5

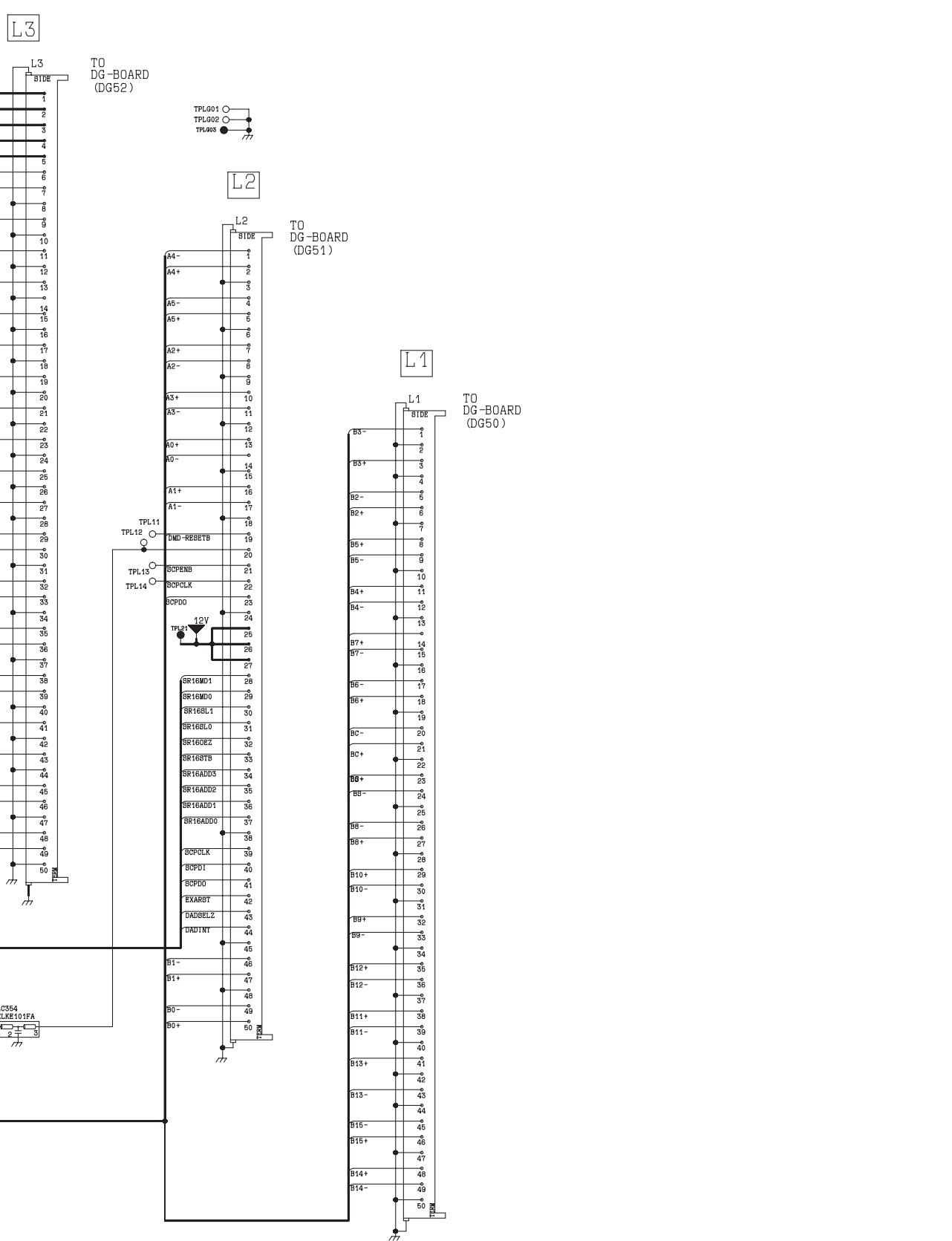
1



12.17. L-Board (2 of 2) Schematic Diagram

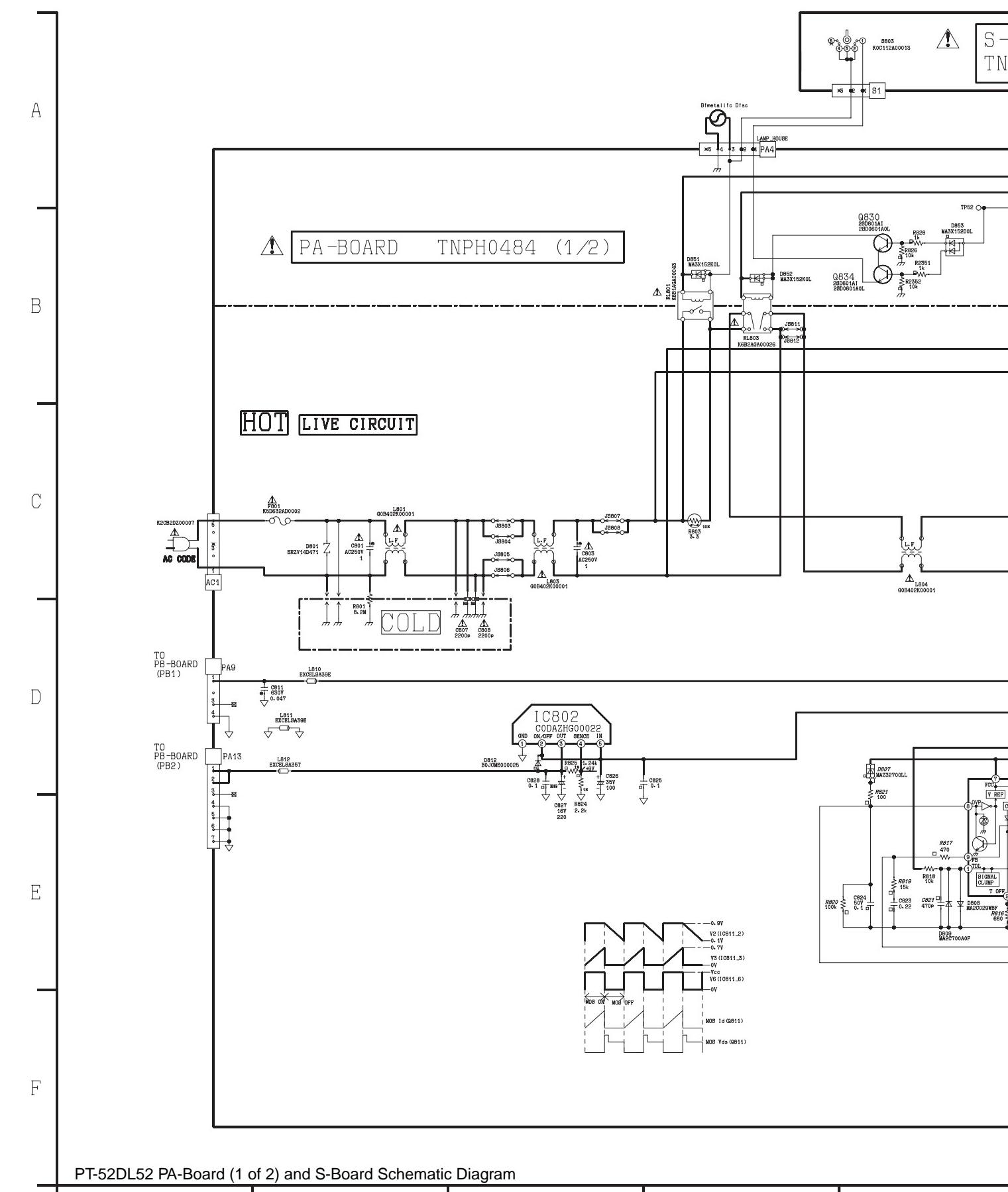


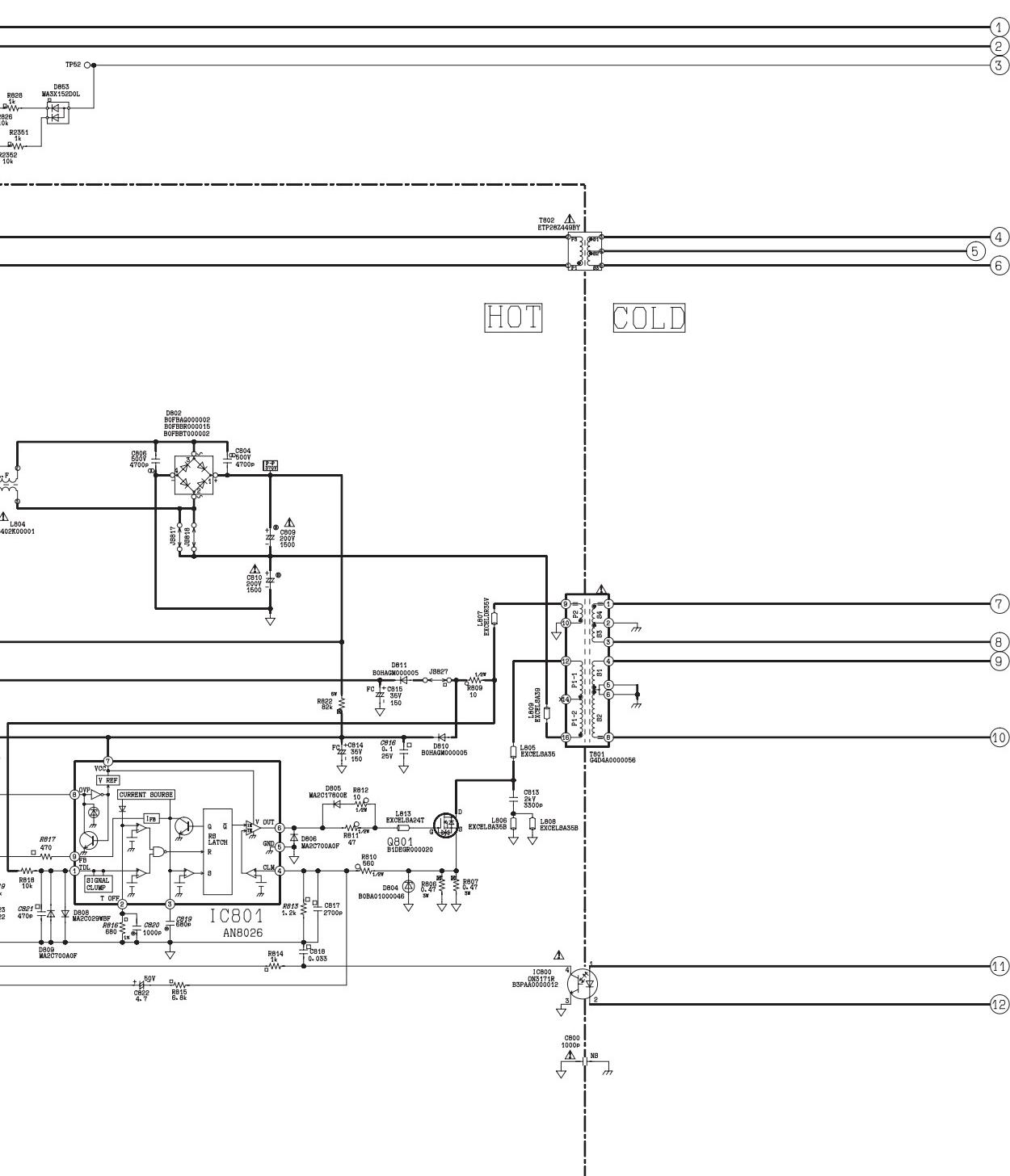
PT-52DL52 L-Board (2 of 2) Schematic Diagram



PT-52DL52 L-Board (2 of 2) Schematic Diagram

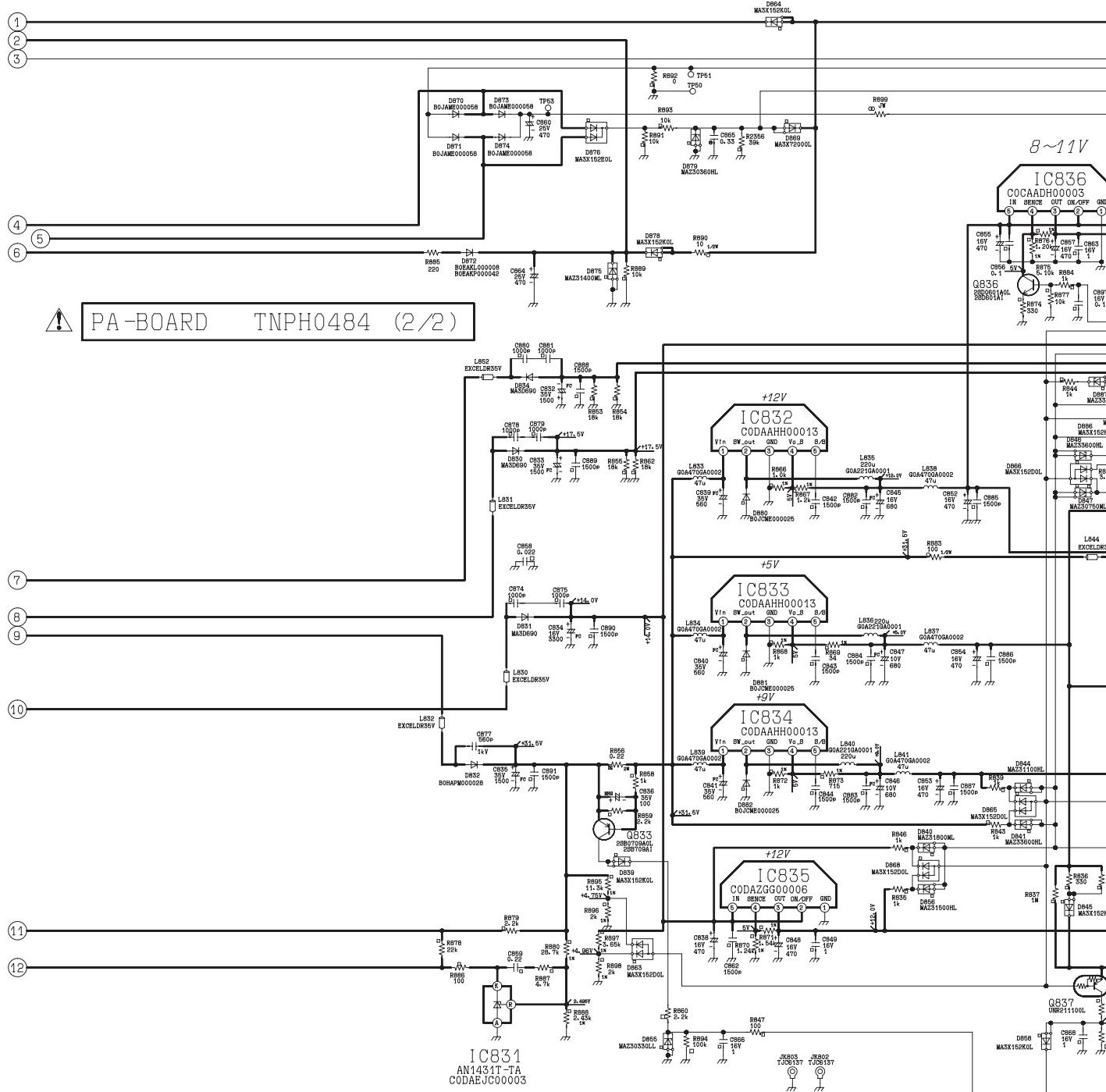
12.18. PA-Board (1 of 2) and S-Board Schematic Diagram





PT-52DL52 PA-Board (1 of 2) and S-Board Schematic Diagram

12.19. PA-Board (2 of 2) Schematic Diagram



PT-52DL52 PA-Board (2 of 2) Schematic Diagram

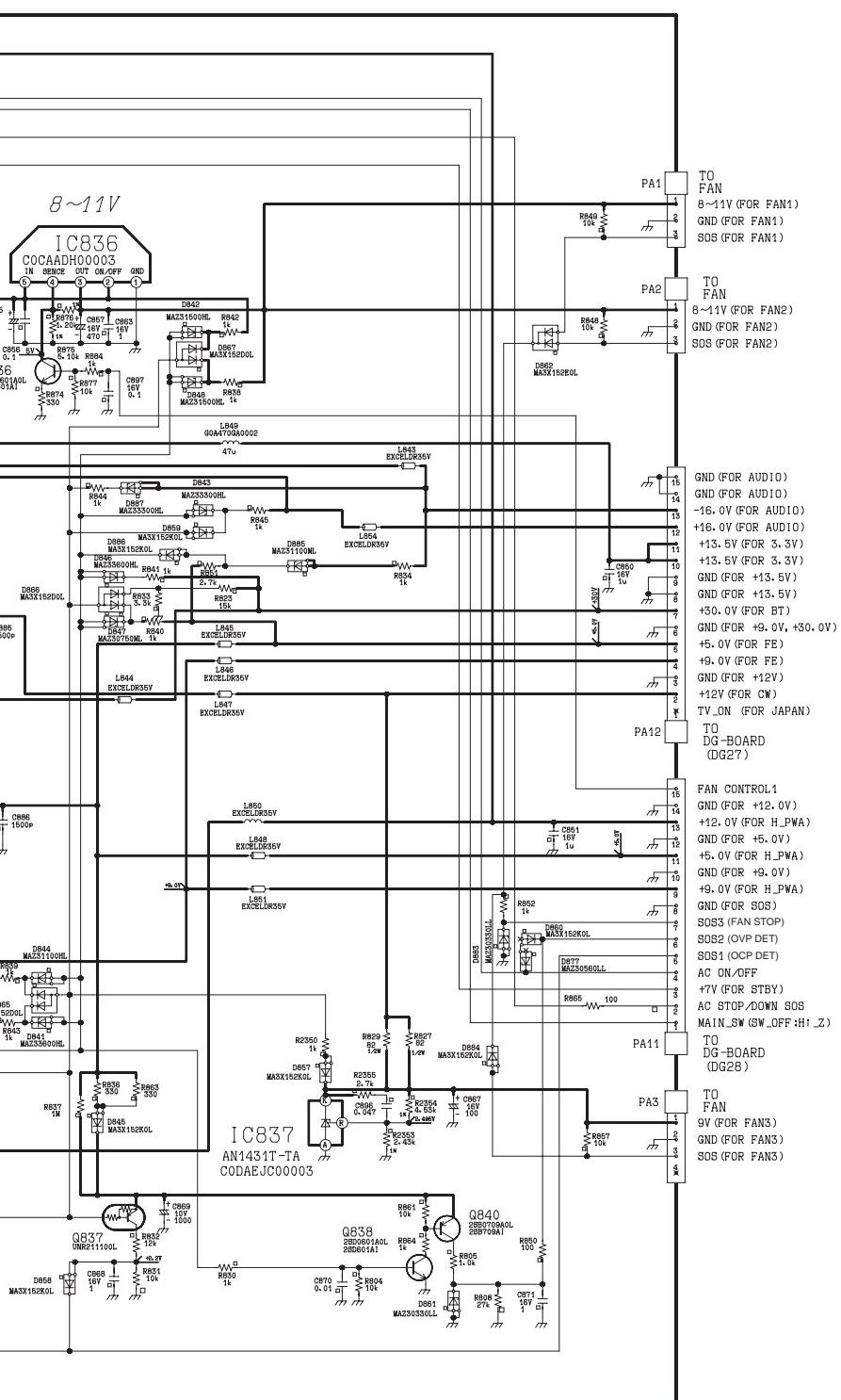
9

10

11

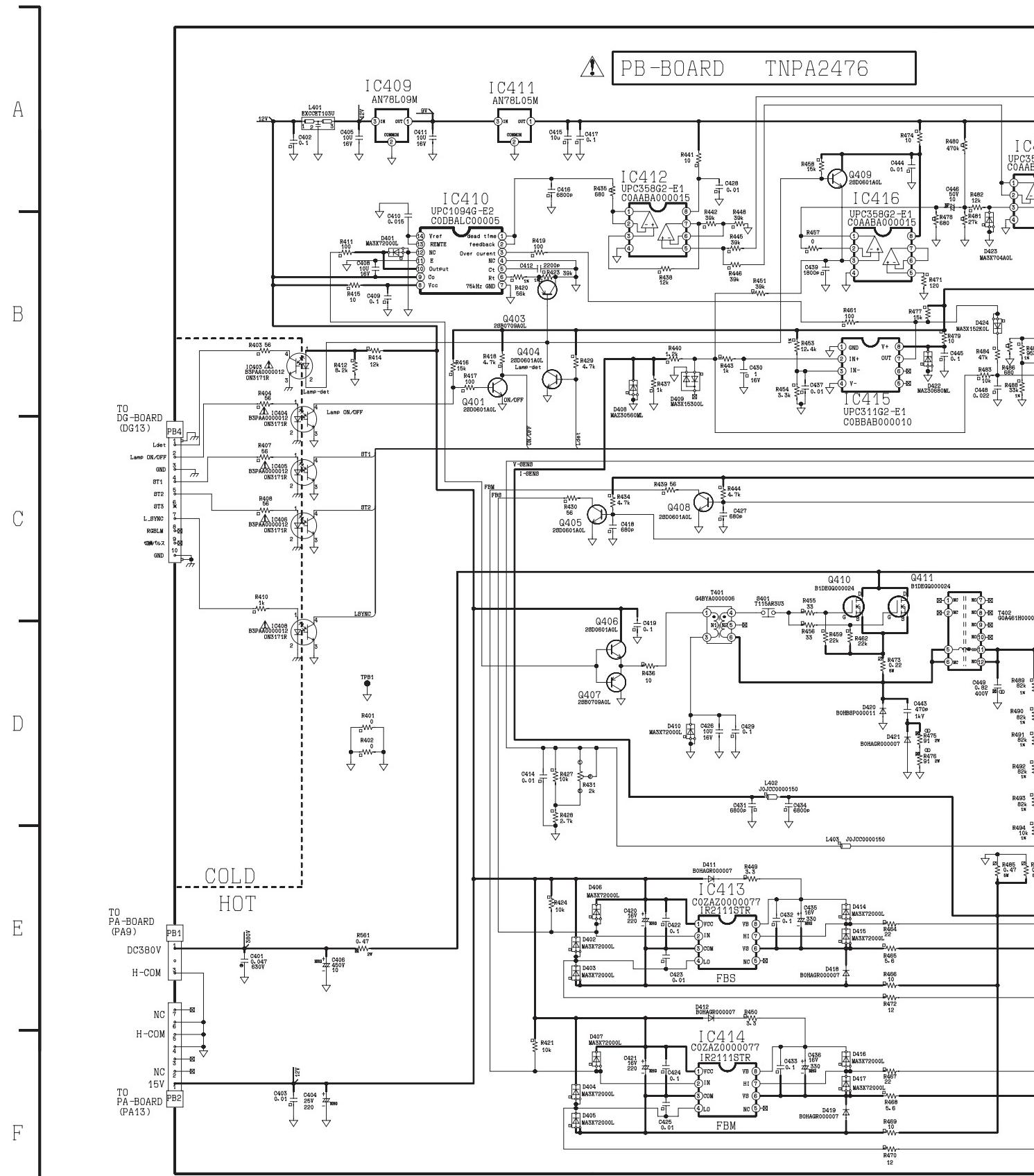
12

13



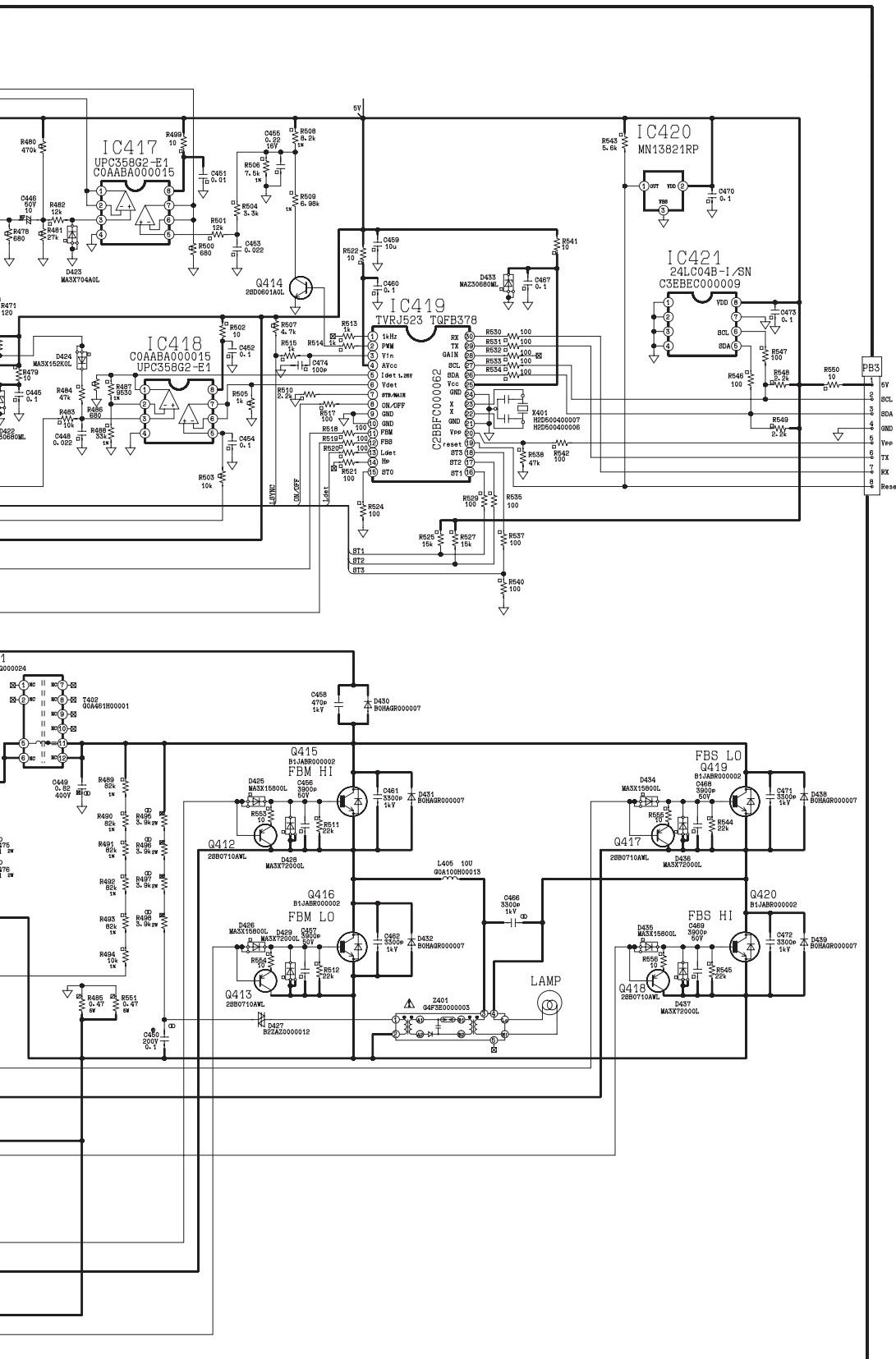
PT-52DL52 PA-Board (2 of 2) Schematic Diagram

12.20. PB-Board Schematic Diagram



PT-52DL52 PB-Board Schematic Diagram

1 2 3 4 5

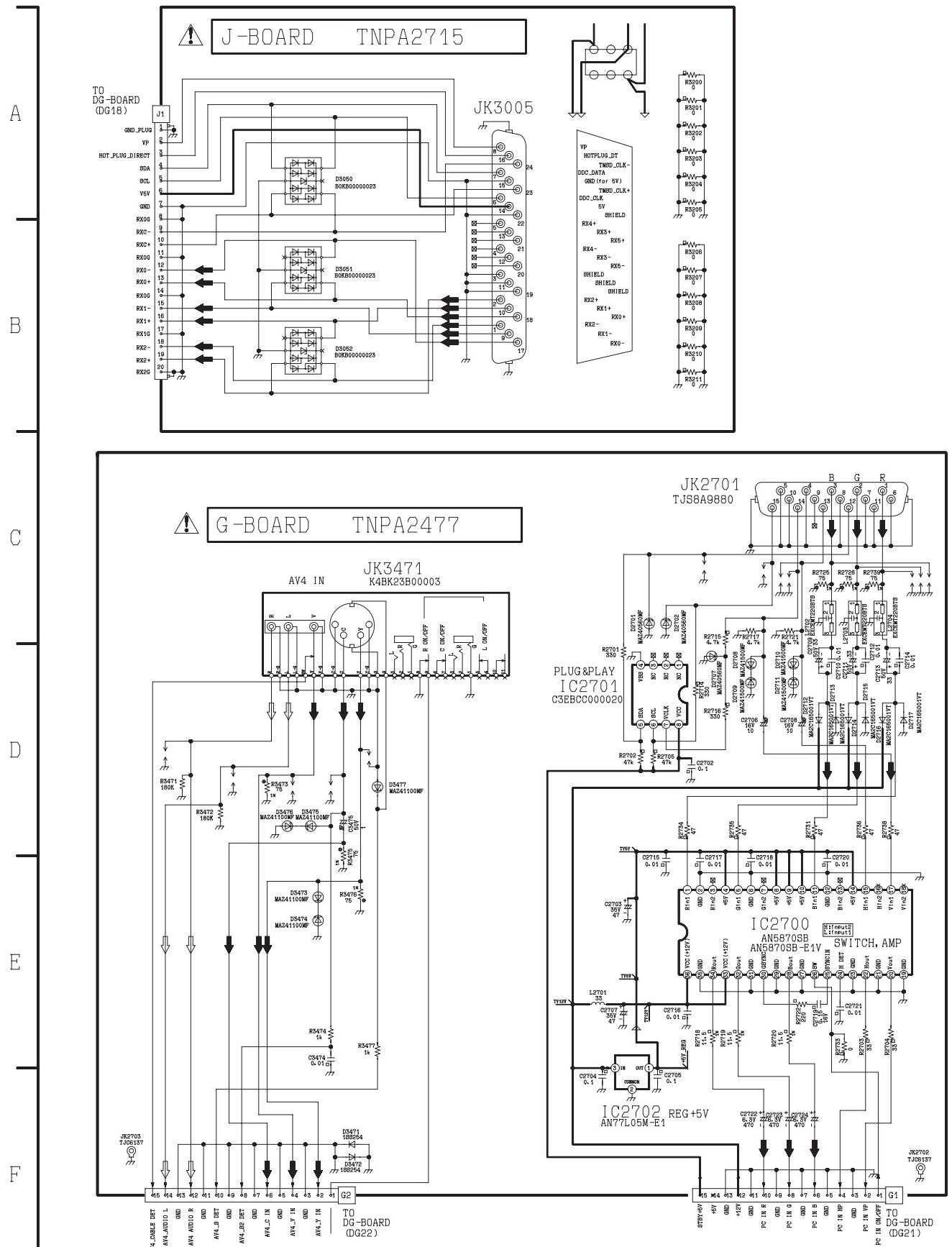


PT-52DL52 PB-Board Schematic Diagram

5

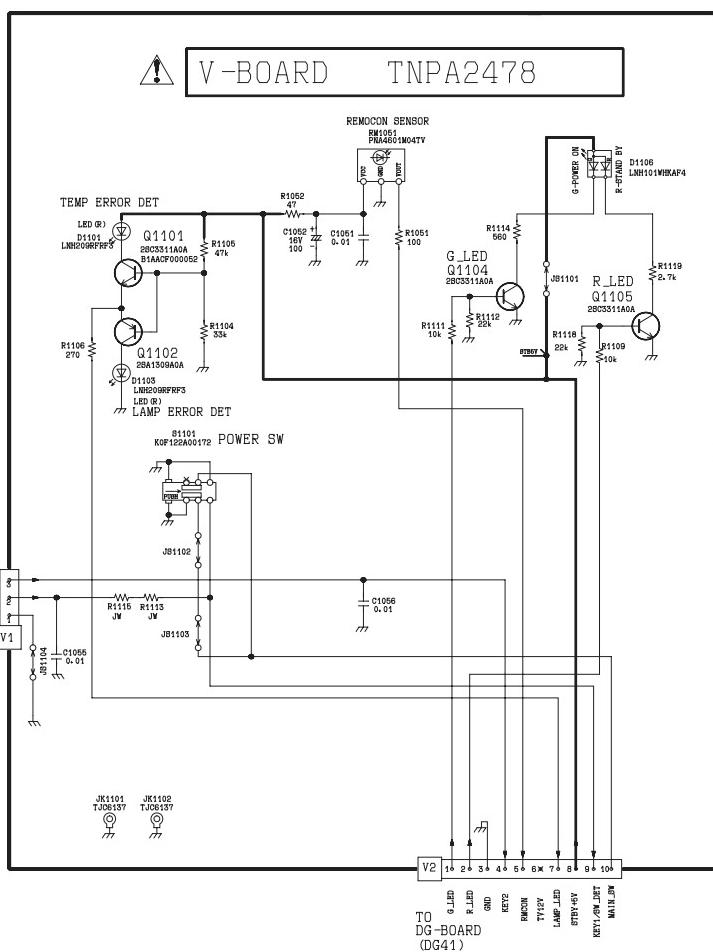
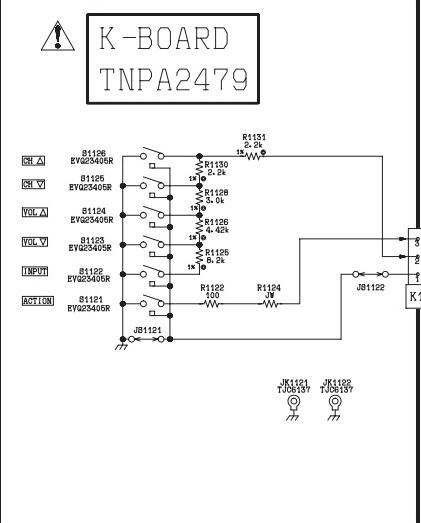
74

12.21. G, J, K and V-Board Schematic Diagram

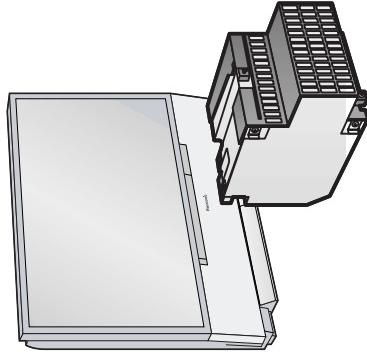


PT-52DL52 G, J, K and V-Board Schematic Diagram

1 2 3 4 5



PT-52DL52 G, J, K and V-Board Schematic Diagram



Specifications

Lamp Unit for Projection Television

Dimensions (W × D × H)	4.6 " × 6.7 " × 4.6 " (117 mm) × (170 mm) × (117 mm)
Weight (Mass)	1.5 lbs. (680 g) Net

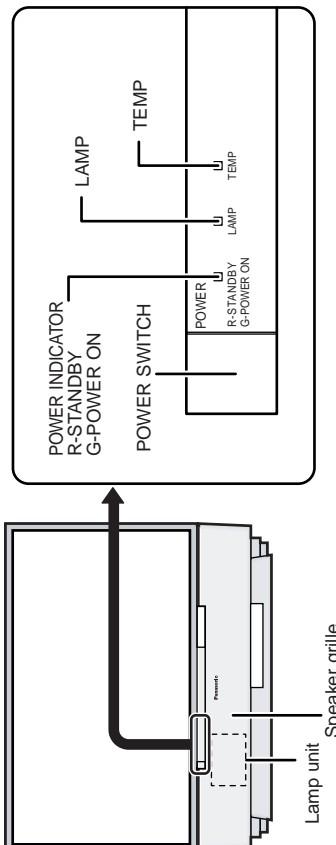
Troubleshooting

Before you call for service, determine the symptoms and make a few simple checks as shown below.

Symptoms	Checks
Power does not turn ON	<ul style="list-style-type: none">• Is the lamp unit cover fully installed?• If the lamp monitor display lights up?
Lamp monitor display is lighting	<p>The lamp circuit has detected a malfunction.</p> <ul style="list-style-type: none">• Was the power turned on immediately after the power had been turned off? → Wait till the lamp cools off and turn on the power.• There is a malfunction in the lamp circuit. → Turn off the power and consult your sales dealer.

Replacing the lamp unit

Replacing the lamp unit



Important Points to keep in mind

When replacing the lamp unit with a new one, pay attention to the following points.

Warning:

- Because the temperature of the lamp unit is elevated immediately after its use, a direct touch to it may cause burns. Please allow the lamp to cool before handling or replacing the lamp unit.

Cautions for Lamp Unit Replacement:

- Handle the removed old lamp unit carefully. If abusing it, it may have a risk of explosion.
- Wear gloves when replacing the lamp unit.
- If replacing the lamp unit becomes necessary during the operation of the projection TV, follow the procedure below to turn off the power and wait until the lamp unit cools completely.

- Press the POWER button on the remote control unit.
- Wait for about 90 seconds until the cooling fan stops.
* The lamp cooling fan will continue to operate for about 90 seconds after turning off the power. Do not unplug the power cord from the outlet until the fan has stopped. Avoid interrupting the power line such as by using circuit breakers or switchable power strips.
- After the cooling fan has stopped, turn off the MAIN POWER switch on the front of the projection TV.
- Unplug the power cord from the outlet.

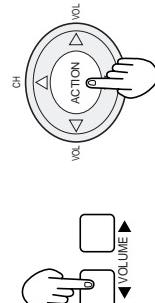
Lamp unit replacement period

The lamp unit for the projection TV should be replaced after approximately 5,000 hours of use in the normal usage mode.

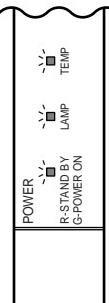
- Warning display after 5,000 hours of use
When the power has been turned off after over 5000 hours of continued use, LAMP REPLACE will be displayed for approximately 1 min. The next time the power is turned on. A warning message to urge the replacement of the lamp will be displayed in red at the center of the screen.

Resetting the counter

After replacing lamp, please make sure to undergo below procedure in order to reset the lamp lifetime counter.



When successful, the 3 LED on the set's front panel (Power / Lamp / Temperature) will flash for 5 seconds.

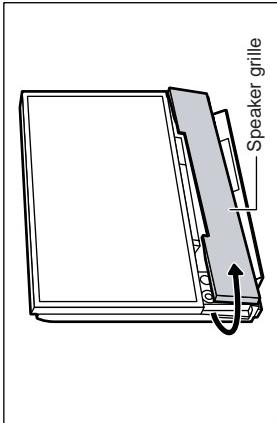


Replacing the lamp unit

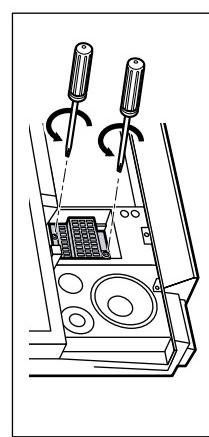
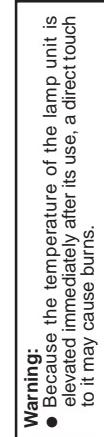
Replacing the lamp unit

Remove Procedure

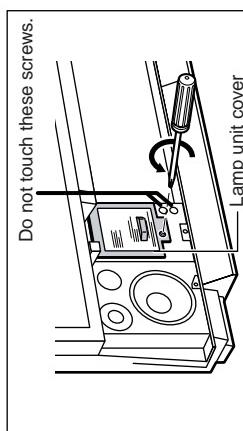
- ① Remove the speaker grille.



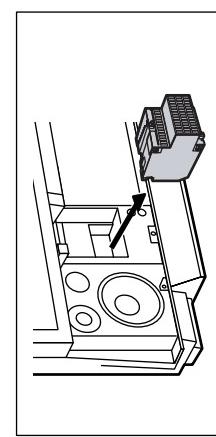
- ③ Loosen the two screws securing the lamp unit. Check that the lamp unit and its region are completely cool. The two screws are located on the right top and left bottom.



- ② Remove the lamp unit cover, loosening the screw fixing it. The screw is located on the left bottom.

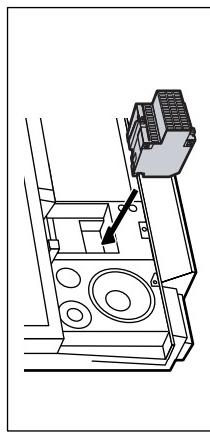


- ④ Pull out the lamp unit slowly.

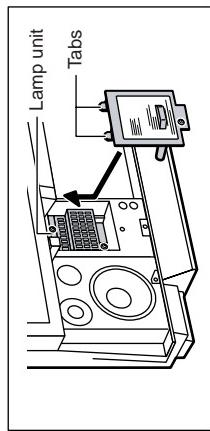


Install Procedure

- ① Install a new lamp unit slowly.

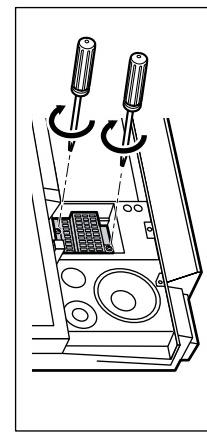


- ③ Insert the Tabs into the main unit as shown.

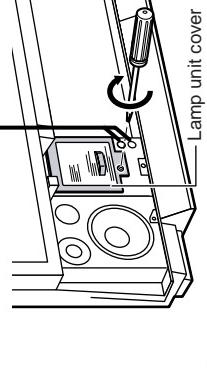


After fully inserting the lamp unit panel, tighten the screw located on the left bottom.

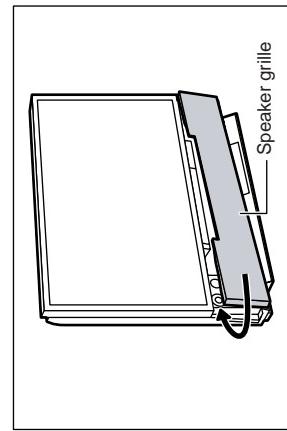
- ② After fully inserting the lamp unit, tighten the two screws located on the right top and left bottom.

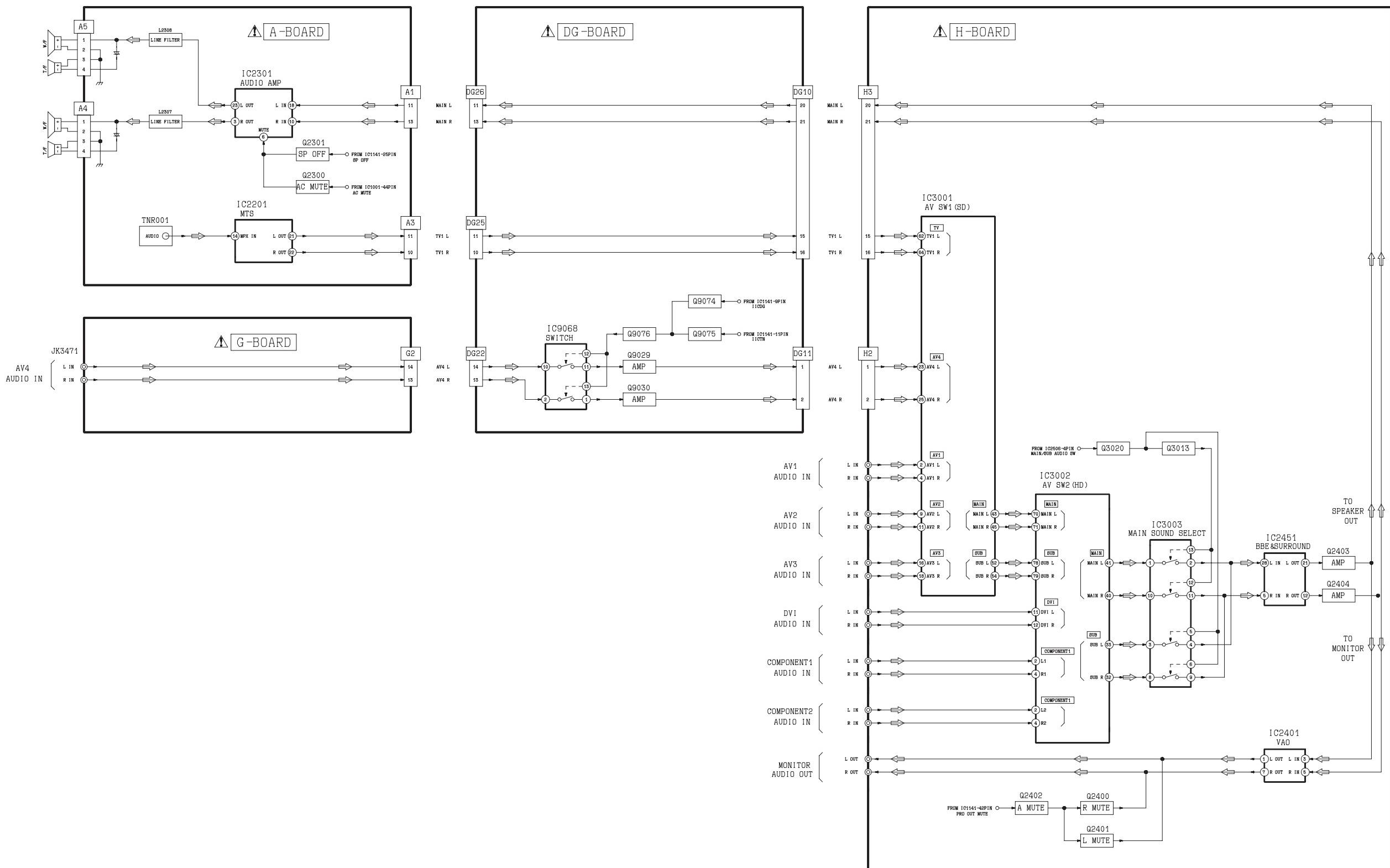


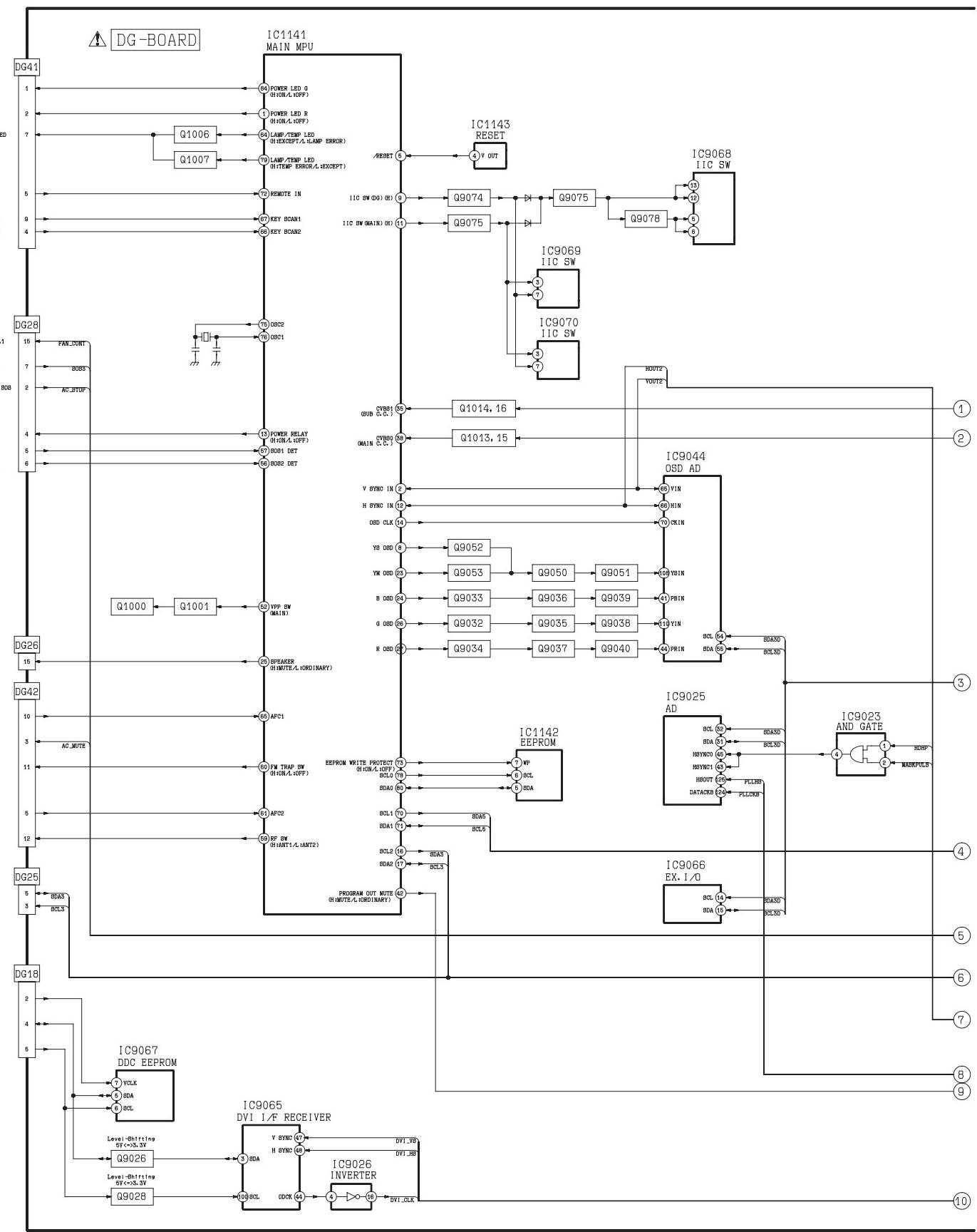
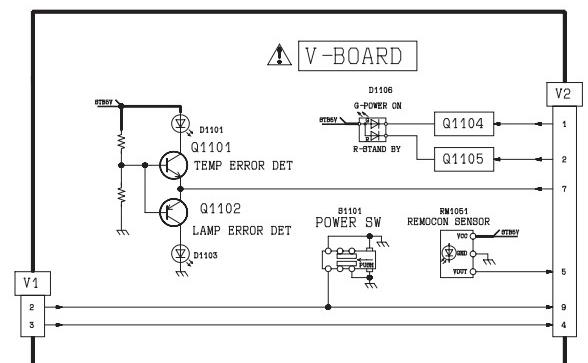
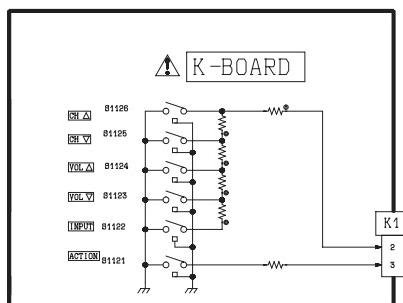
Do not touch these screws.



- ④ Firmly install the speaker grille.

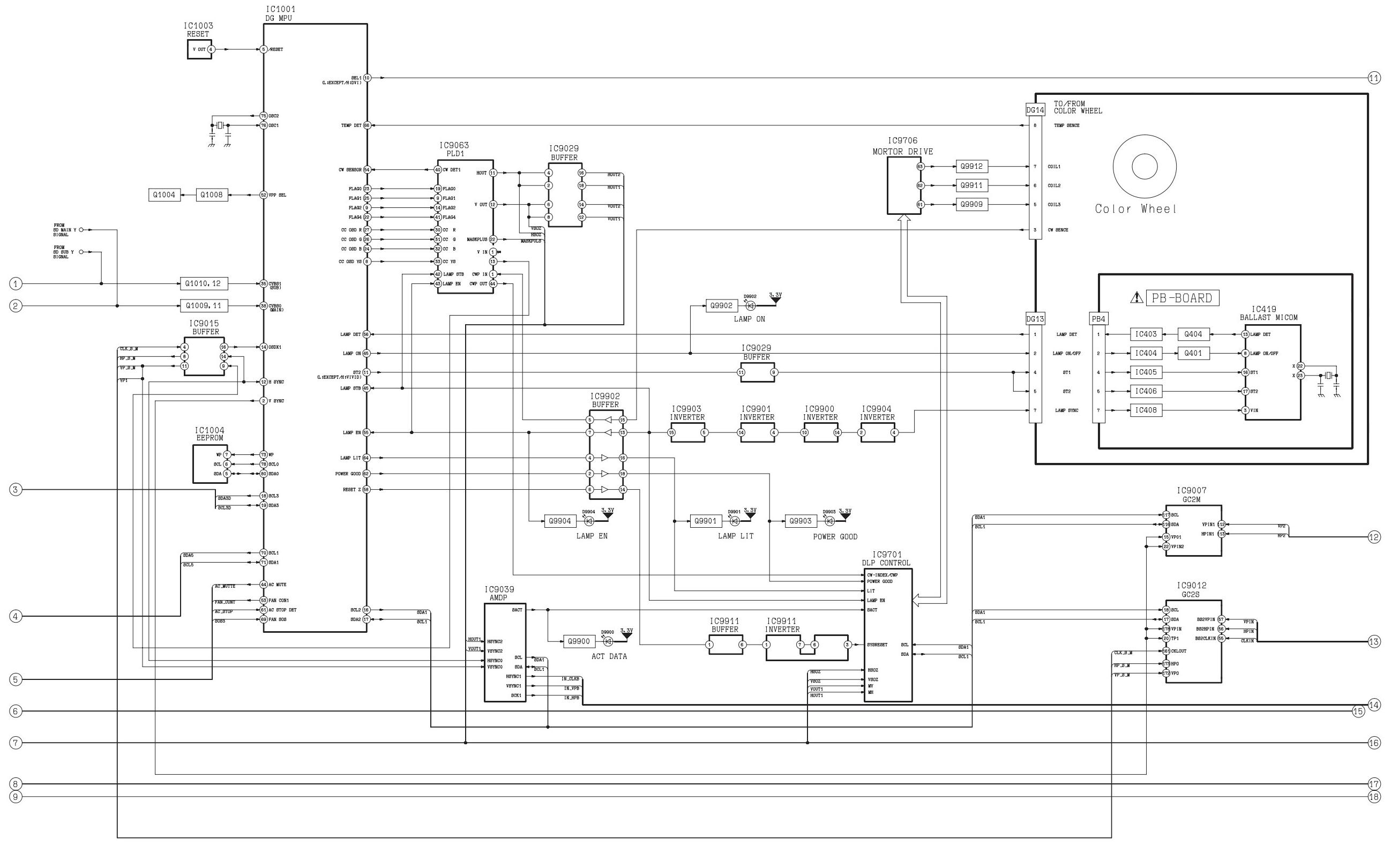


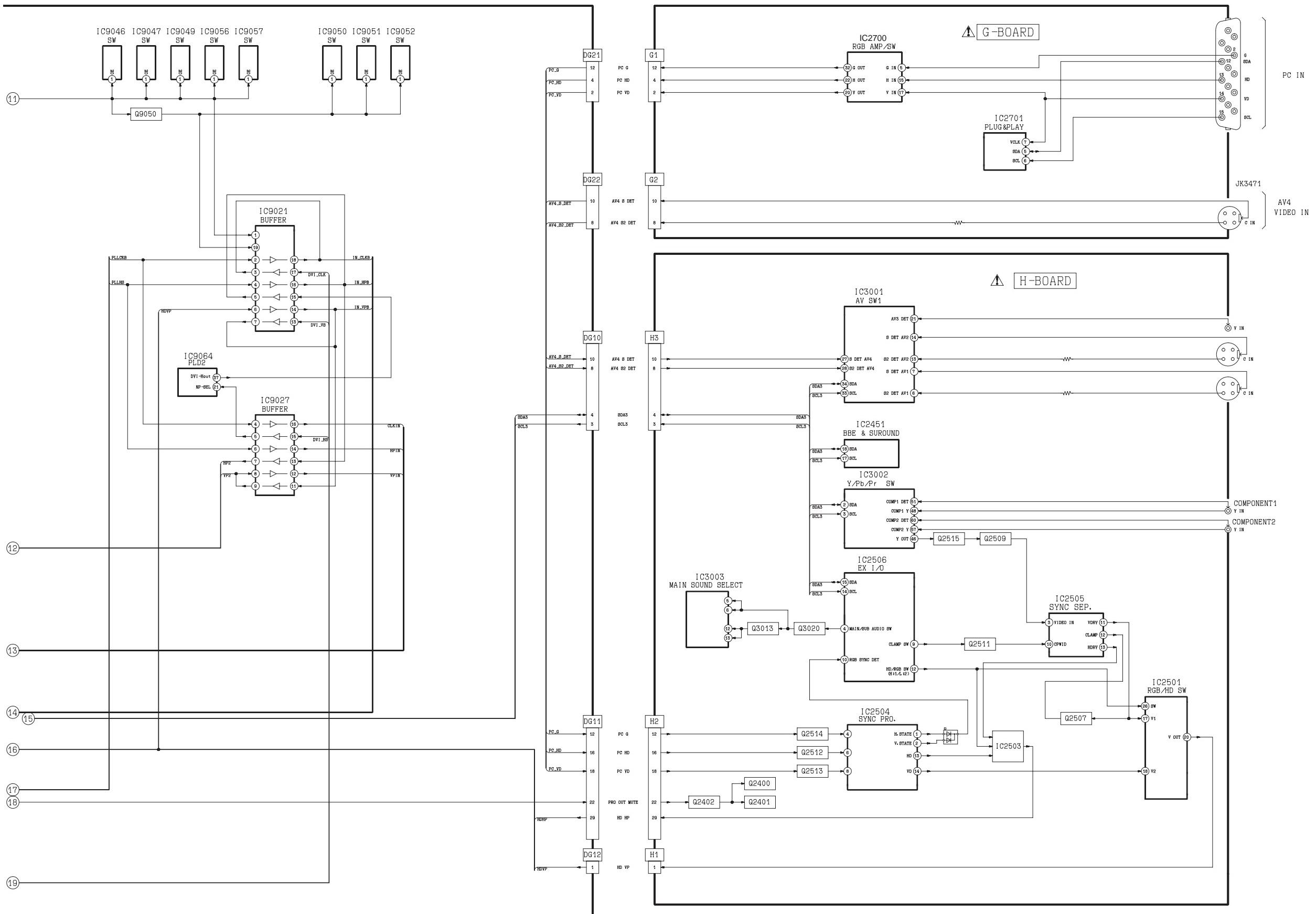




PT-52DL52 Control Block Diagram

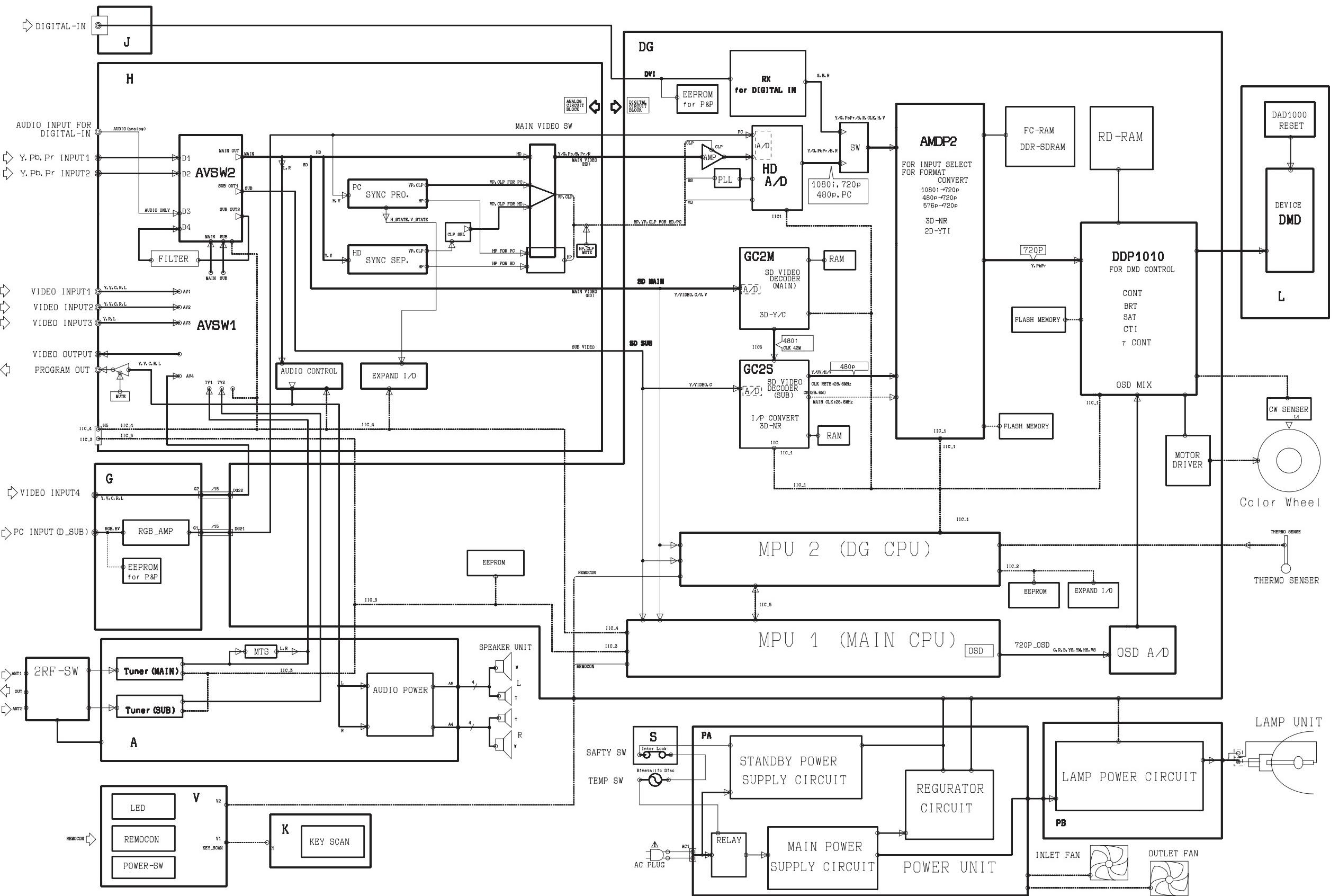
PT-52DL52 Control Block Diagram

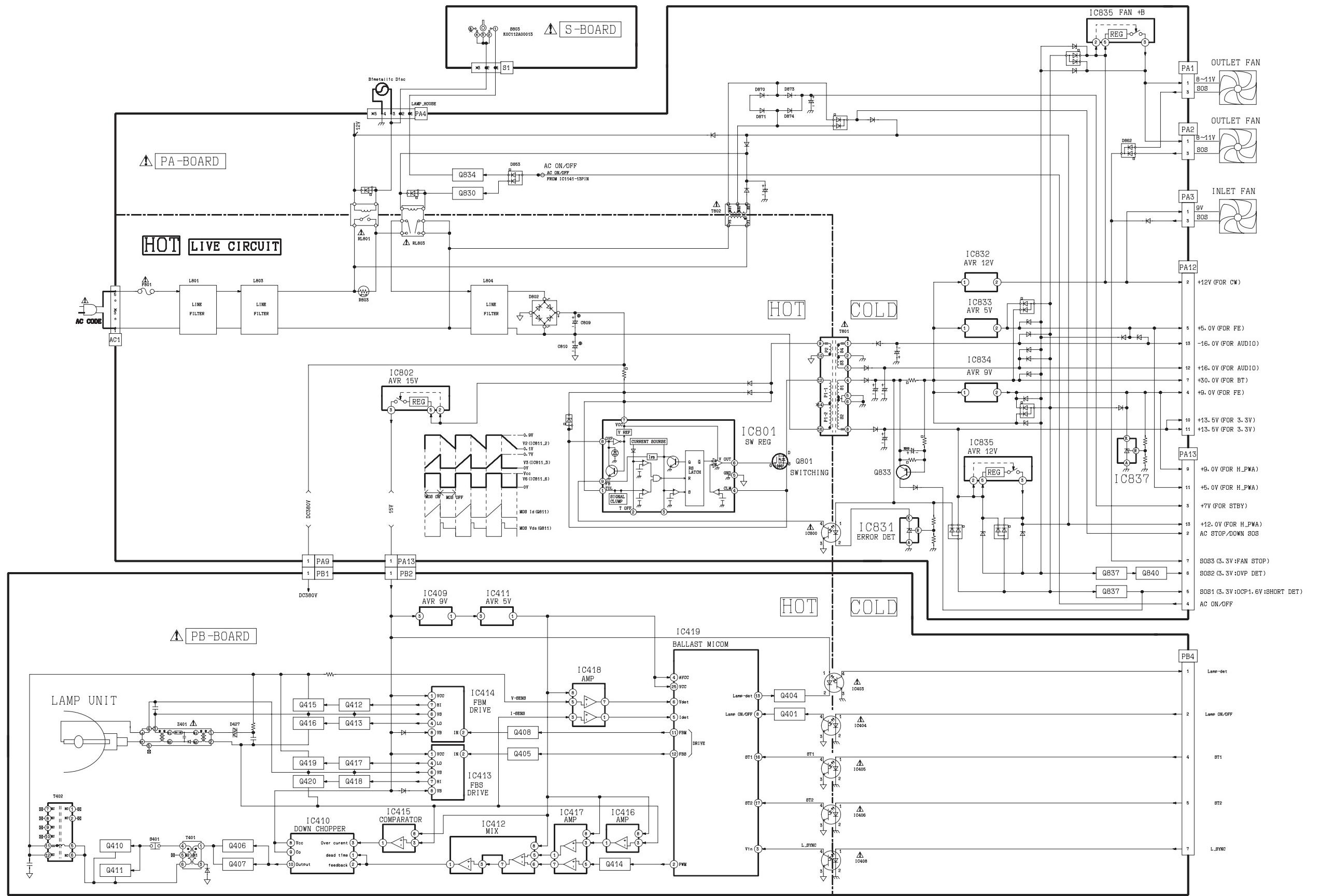




PT-52DL52 Control Block Diagram

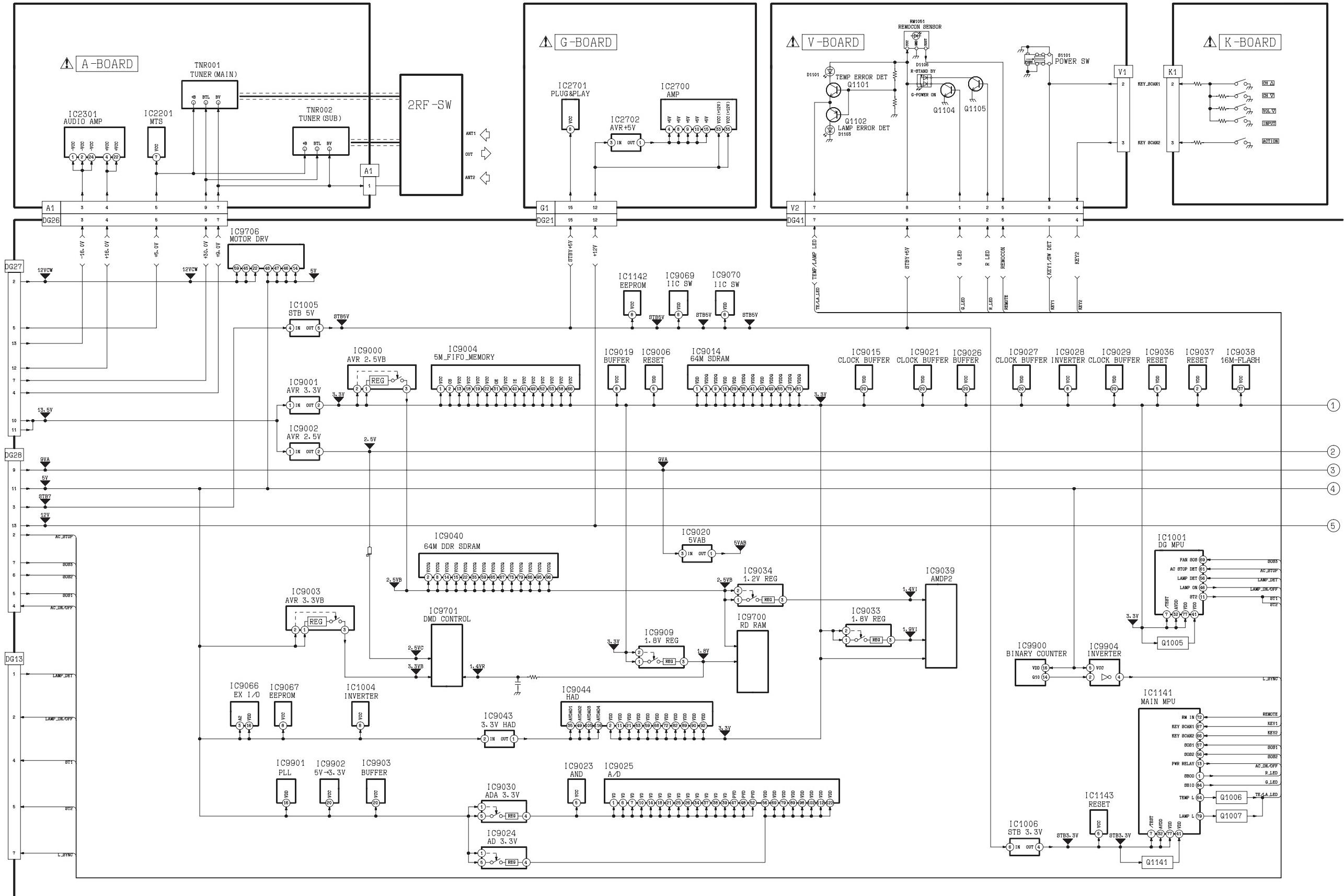
PT-52DL52 Control Block Diagram





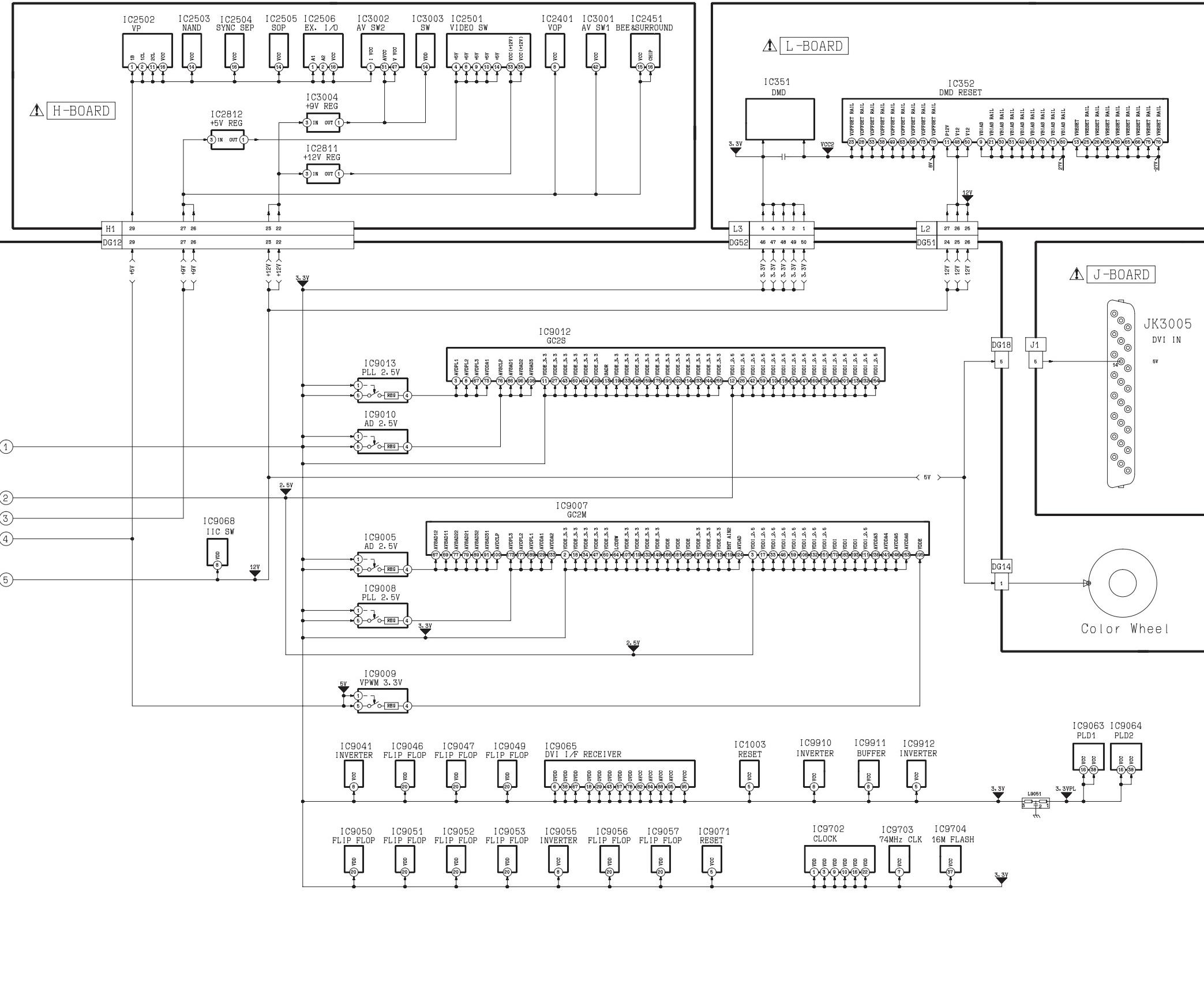
PT-52DL52 Power Block Diagram

PT-52DL52 Power Block Diagram



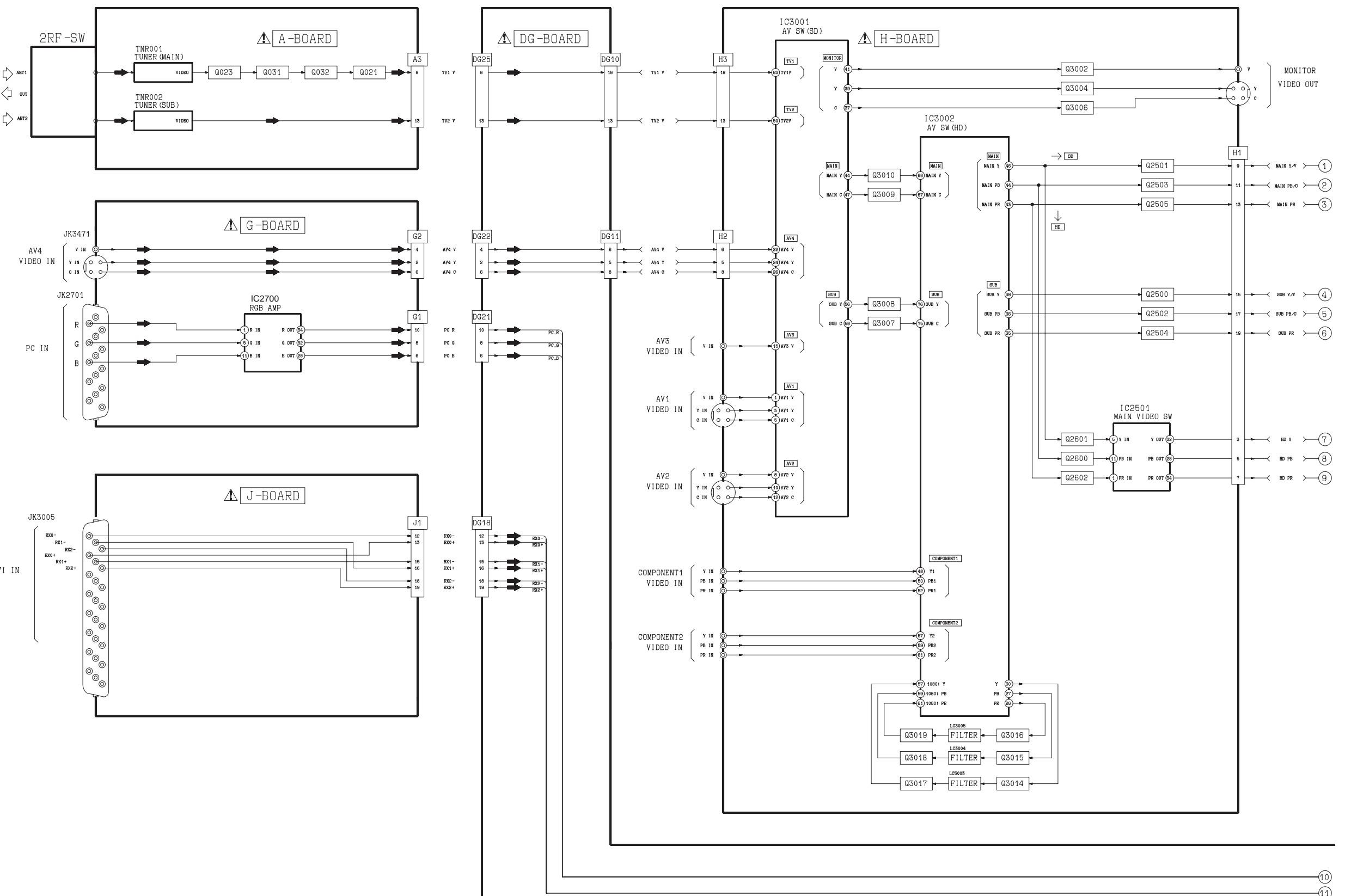
PT-52DL52 Power Block Diagram

PT-52DL52 Power Block Diagram



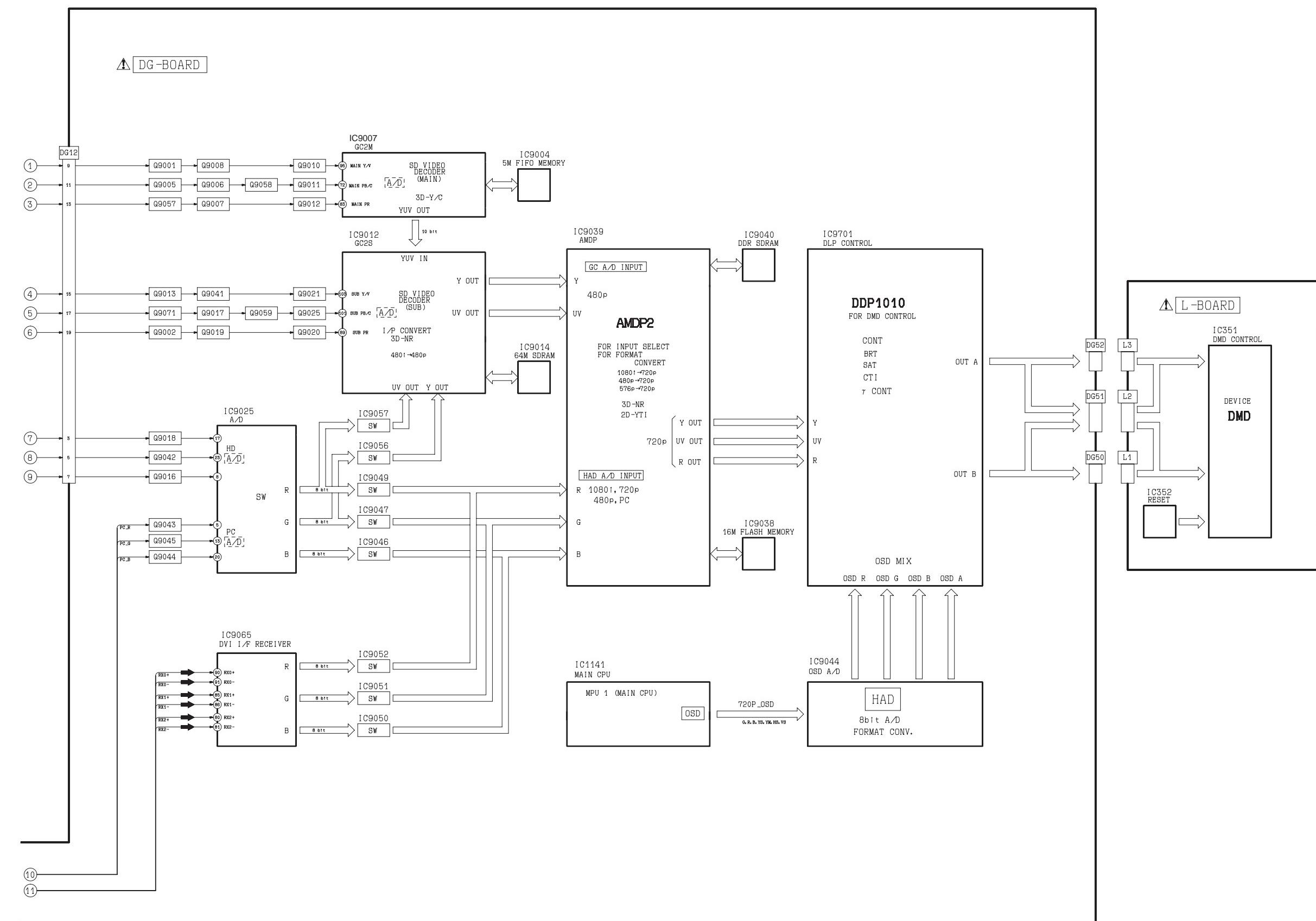
PT-52DL52 Power Block Diagram

PT-52DL52 Power Block Diagram



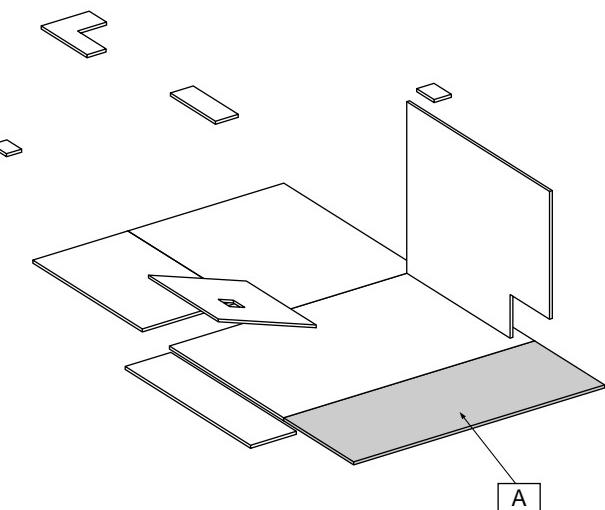
PT-52DL52 Video Block Diagram

PT-52DL52 Video Block Diagram



PT-52DL52 Video Block Diagram

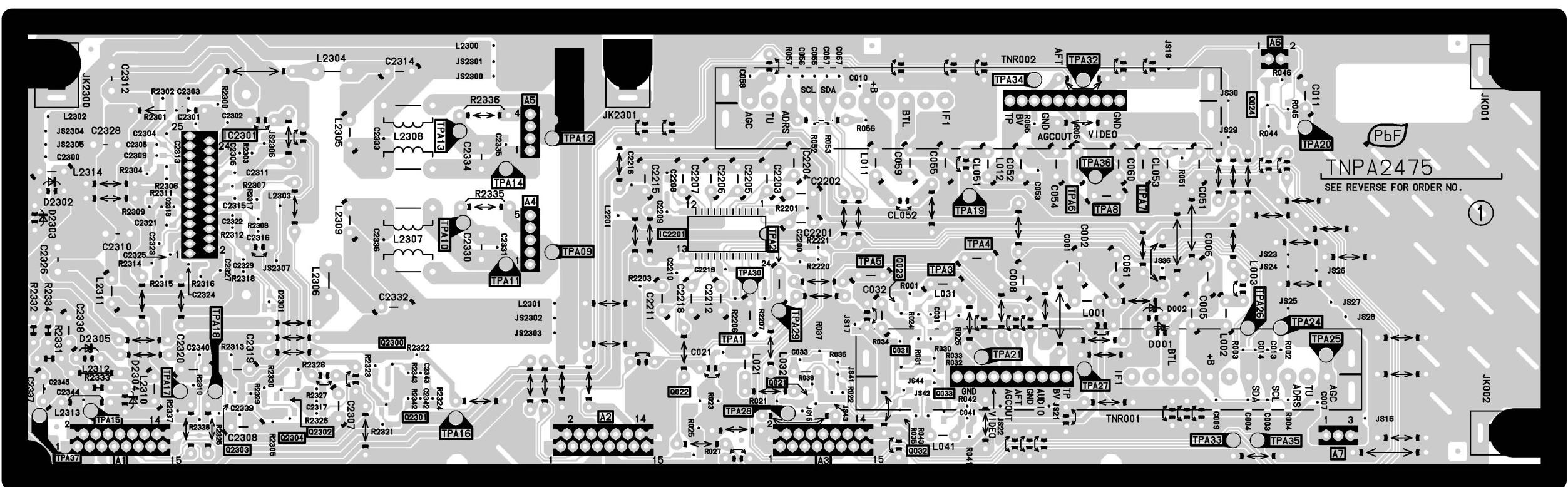
PT-52DL52 Video Block Diagram



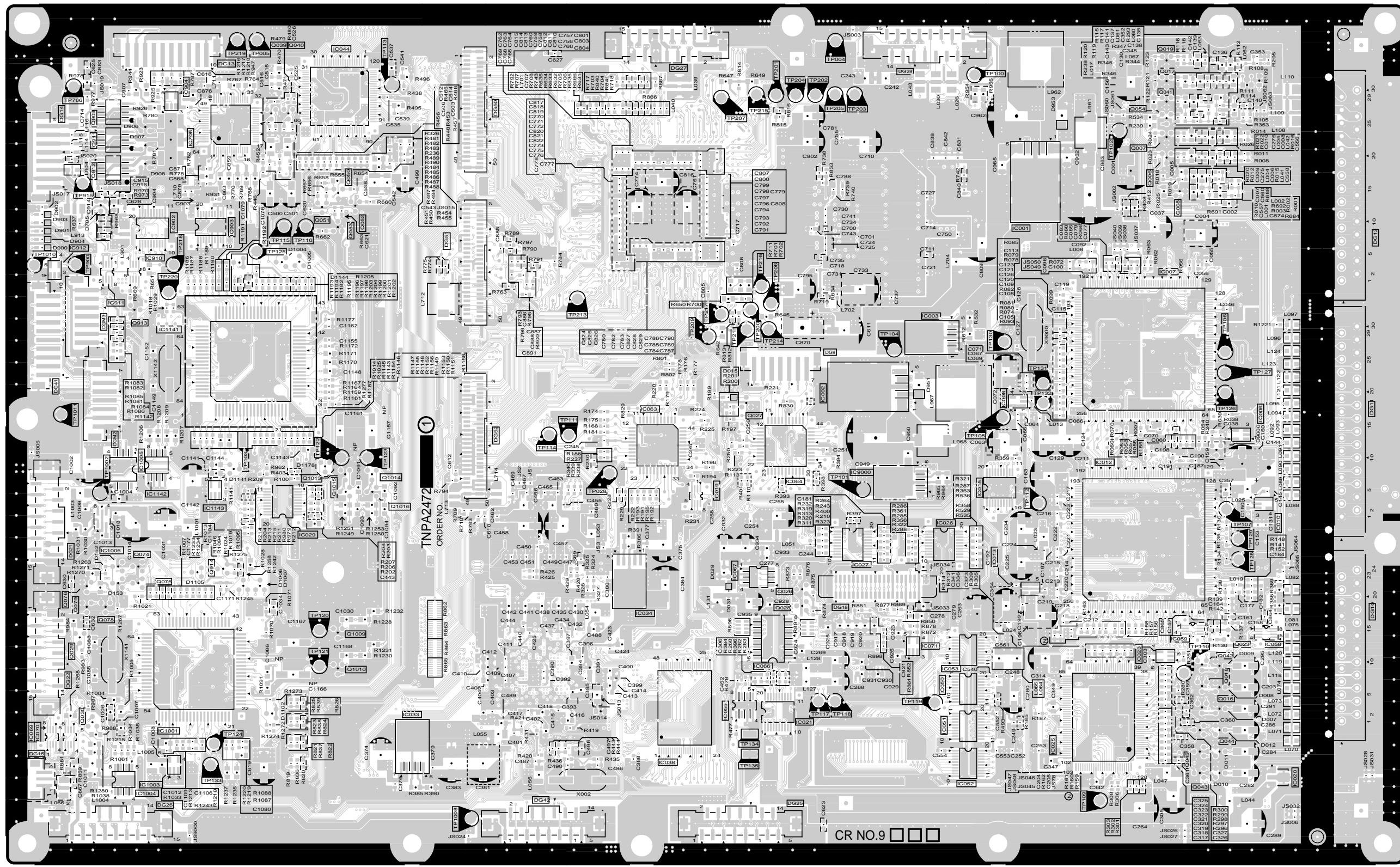
Parts Location

IC		TP		TPA17	B-2
IC2201	D-3	TPA1	E-2	TPA18	B-2
IC2301	B-3	TPA2	E-2	TPA19	F-3
TRANSISTOR					
Q021	E-2	TPA3	F-2	TPA20	H-3
Q022	D-2	TPA4	F-2	TPA21	F-2
Q023	F-2	TPA5	F-2	TPA24	H-2
Q024	H-3	TPA6	G-3	TPA25	H-2
Q031	F-2	TPA7	G-3	TPA26	H-2
Q032	F-1	TPA9	D-2	TPA27	G-2
Q033	F-2	TPA10	C-3	TPA28	E-2
Q2300	C-2	TPA11	D-2	TPA29	E-2
Q2301	C-2	TPA12	D-3	TPA30	E-2
Q2302	C-1	TPA13	C-3	TPA32	G-3
Q2303	B-1	TPA14	D-3	TPA33	G-1
Q2304	B-1	TPA15	A-2	TPA34	F-3
		TPA16	C-1	TPA35	H-1
				TPA36	G-3
				TPA37	A-1

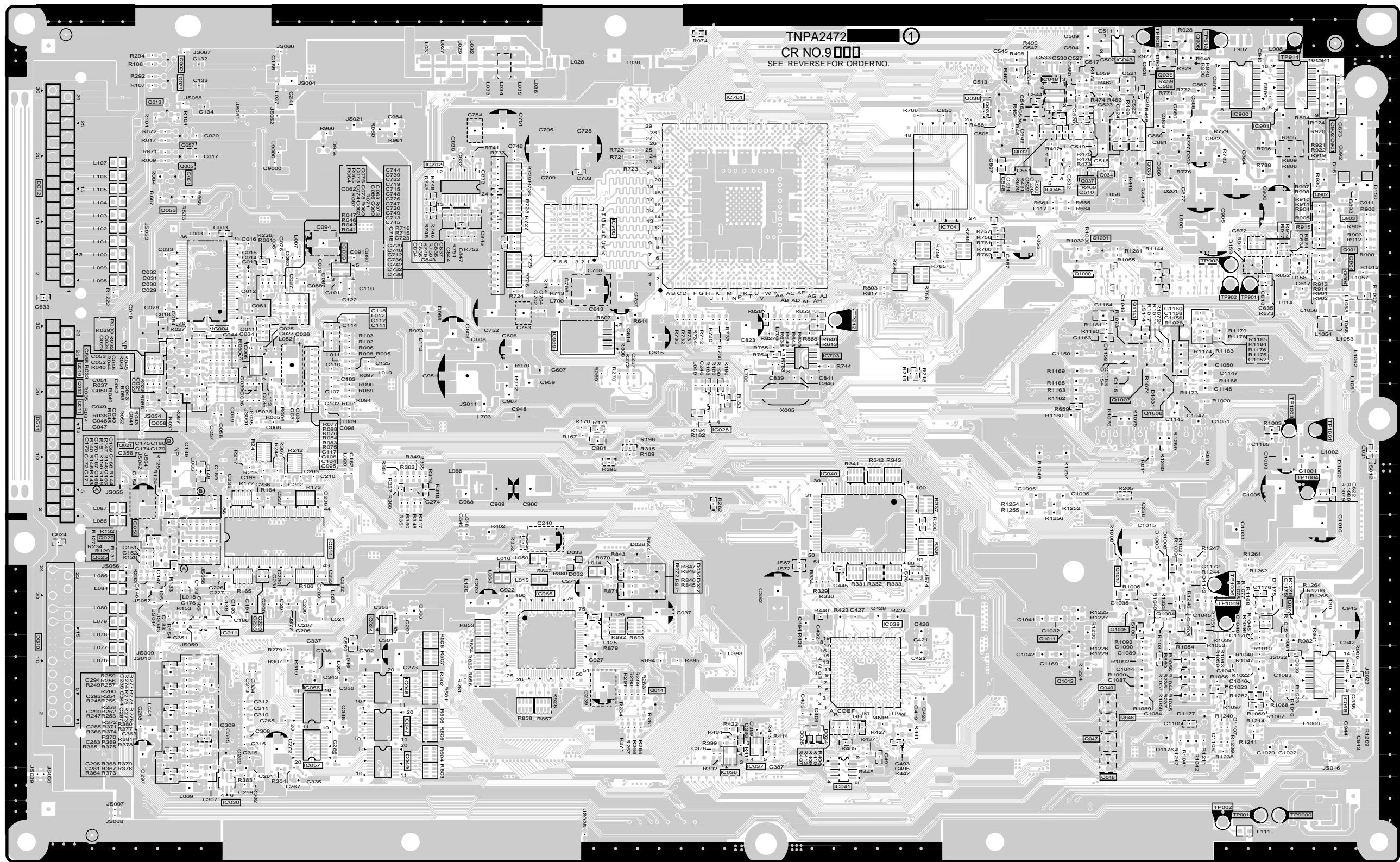
**A-BOARD
TNPA2475**

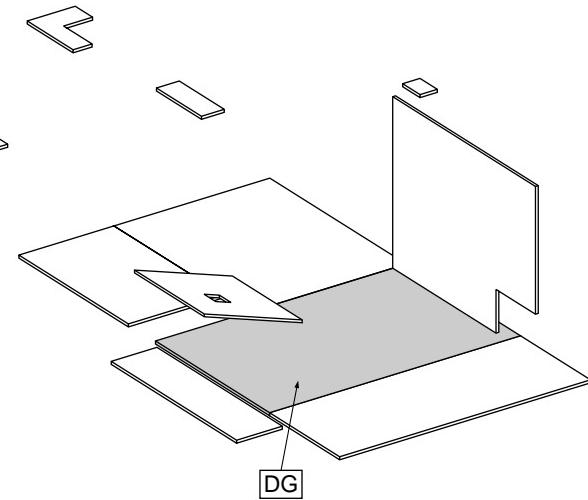


DG-BOARD(COMPONENT SIDE)
TXNDG10GUV



DG-BOARD(FOIL SIDE)
TXNDG10GUV





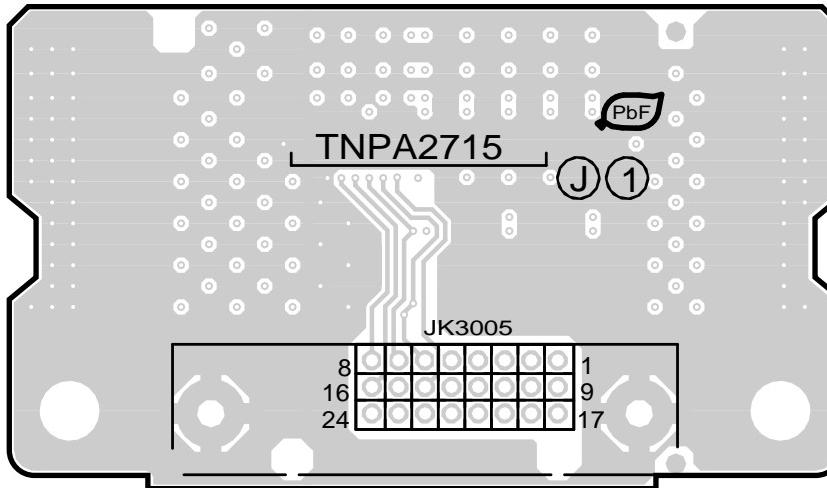
Parts Location

		DG-BOARD (FOIL SIDE)		Q9048 H-2	TP
IC	TRANSISTOR	Q9004 B-4	Q9005 B-4		
IC9004	B-4	Q1000	G-4	Q9049 H-2	TP001 H-1
IC9005	B-4	Q1001	H-5	Q9055 B-5	TP002 H-1
IC9009	C-4	Q1004	H-2	Q9057 B-5	TP212 F-4
IC9011	B-2	Q1005	H-2	Q9058 B-3	TP901 H-4
IC9014	C-3	Q1006	H-4	Q9059 B-3	TP902 H-4
IC9024	C-2	Q1007	H-4	Q9071 B-6	TP903 H-4
IC9028	E-3	Q1008	H-2	Q9077 I-2	TP906 H-6
IC9030	B-1	Q1011	G-2	Q9900 I-4	TP913 H-6
IC9036	E-1	Q1012	G-2	Q9901 I-4	TP914 I-6
IC9037	E-1	Q1017	H-2	Q9902 I-5	TP1001 I-3
IC9039	F-2	Q1141	H-4	Q9903 I-5	TP1003 I-3
IC9040	F-3	Q9001	B-5	Q9904 I-4	TP1004 I-3
IC9041	F-1	Q9002	B-6	Q9906 H-6	TP1006 H-2
IC9043	H-6	Q9005	B-5		TP1009 H-2
IC9045	G-5	Q9010	A-4		TP9000 I-1
IC9046	C-2	Q9011	A-4		
IC9047	C-2	Q9012	A-4		
IC9048	G-5	Q9013	B-5		
IC9049	C-1	Q9014	E-2		
IC9056	C-2	Q9020	A-3		
IC9057	C-1	Q9021	B-3		
IC9065	D-2	Q9025	A-3		
IC9068	I-2	Q9032	G-5		
IC9700	E-5	Q9033	H-5		
IC9701	E-5	Q9034	H-5		
IC9702	D-5	Q9035	G-5		
IC9703	F-4	Q9036	H-5		
IC9704	G-5	Q9037	H-5		
IC9900	H-5	Q9038	G-5		
IC9901	I-5	Q9046	H-1		
IC9909	D-4	Q9047	G-2		

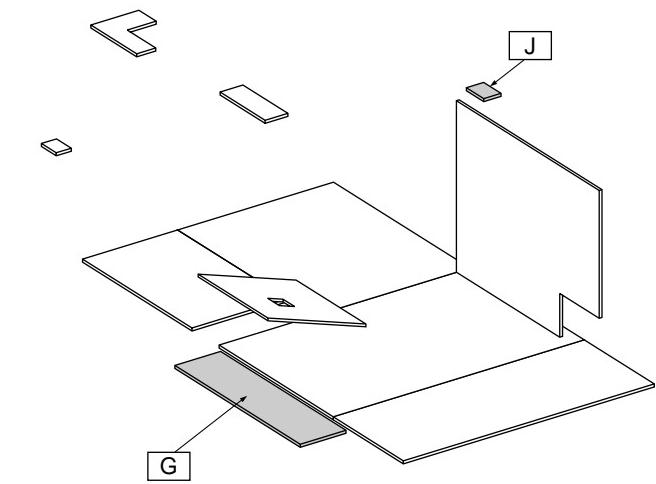
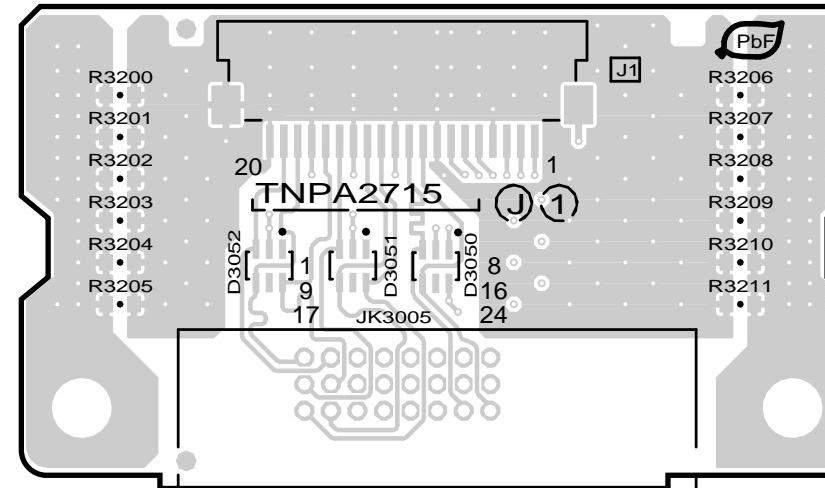
Parts Location

		DG-BOARD (COMPONENT SIDE)					
IC	TRANSISTOR	IC9070 B-2	IC9071 F-2	Q9076 A-2	Q9078 A-2	TP132 TP133	G-4 B-1
IC1001		IC9076 B-5	IC9079 A-2	Q9079 A-2	Q9078 A-2	TP134 TP133	E-1 B-1
IC1003		IC9902 B-5	IC9909 A-5	Q9909 A-5	Q9907 A-5	TP135 TP200	E-1 E-4
IC1004		IC9903 B-5	IC9911 A-5	Q9911 A-5	Q9912 A-5	TP200 TP201	E-4 E-6
IC1005		IC9904 B-5	IC9910 B-4	Q9912 B-4	Q9913 B-4	TP201 TP202	F-5 F-5
IC1006		IC9911 B-4	IC9912 A-5	Q9914 B-3	Q9914 B-3	TP203 TP204	F-5 F-5
IC1141		IC9912 A-5				TP205 TP206	F-5 E-4
IC1142						TP206 TP207	E-4 E-5
IC1143						TP207 TP209	E-4
IC9000						TP209 TP211	E-4
IC9001						TP211 TP213	D-4
IC9002						TP213 TP214	E-4
IC9003						TP214 TP215	E-4
IC9006						TP215 TP216	E-5
IC9007						TP216 TP217	E-4
IC9008						TP217 TP218	E-4
IC9010						TP218 TP219	B-4
IC9012						TP219 TP220	B-6
IC9013						TP220 TP221	B-4
IC9015						TP221 TP222	A-5
IC9019						TP222 TP766	B-4
IC9020						TP766 TP900	A-4
IC9021						TP900 TP915	A-4
IC9023						TP915 TP1002	A-5
IC9025						TP1002 TP1008	A-3
IC9026						TP1008 TP1009	D-1
IC9027						TP1009 TP1010	A-4
IC9029						TP1010 TP1011	A-4
IC9033							
IC9034							
IC9038							
IC9044							
IC9050							
IC9051							
IC9052							
IC9053							
IC9055							
IC9058							
IC9059							
IC9063							
IC9064							
IC9066							
IC9067							
IC9069							

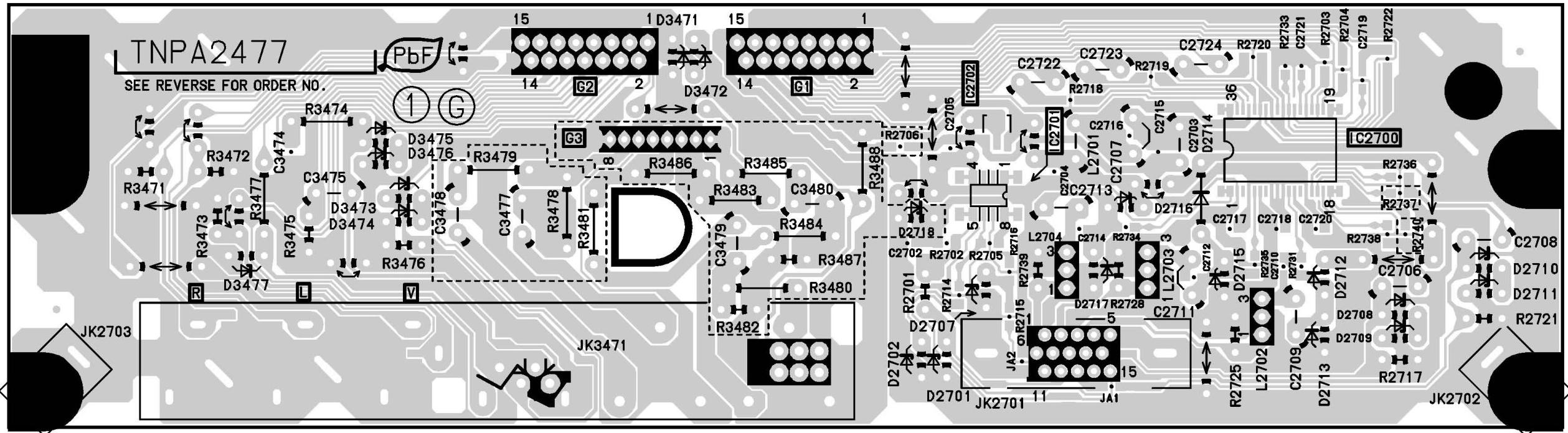
**J-BOARD(FOIL SIDE)
TNPA2715**



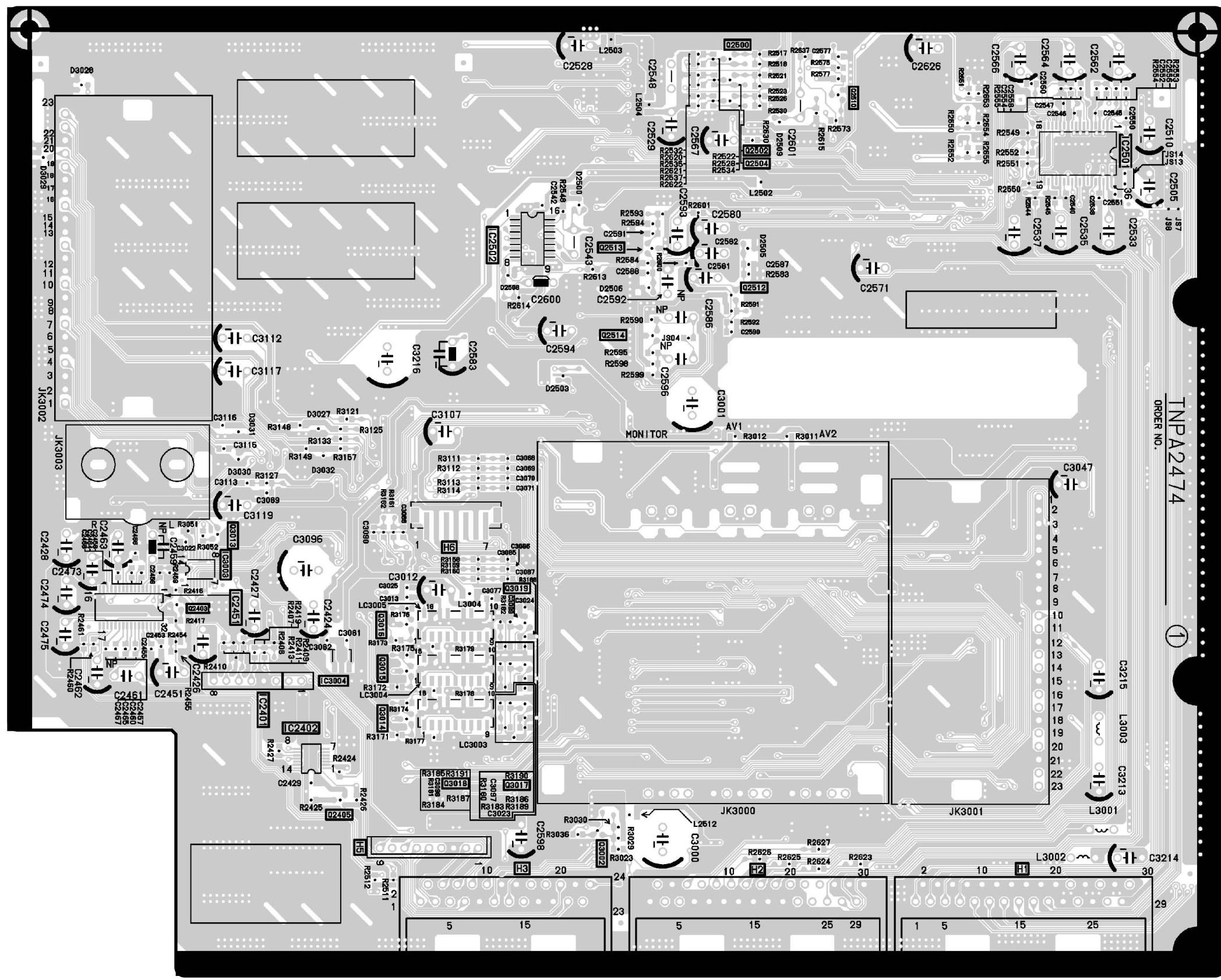
**J-BOARD(COMPONENT SIDE)
TNPA2715**



**G-BOARD
TNPA2477**

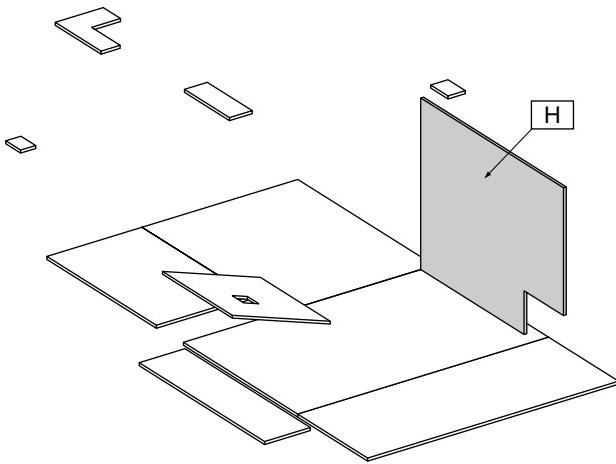


H-BOARD(COMPONENT SIDE) TNPA2474



**H-BOARD(FOIL SIDE)
TNPA2474**





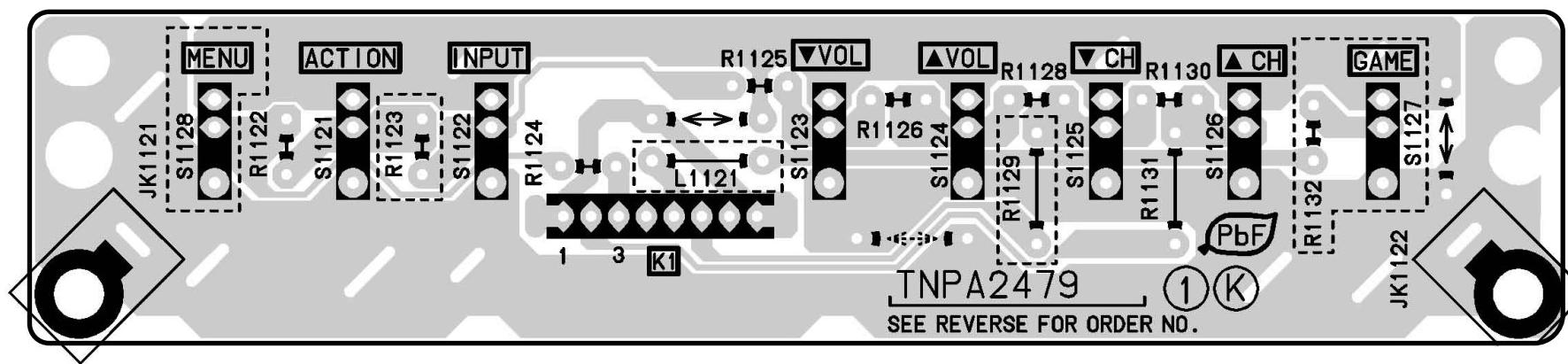
Parts Location

H-BOARD (FOIL SIDE)					
IC		Q2601	C-5	TPH20	H-5
IC2401		Q2602	C-6	TPH21	H-5
IC2503		Q3004	D-4	TPH22	H-4
IC2504		Q3006	E-4	TPH23	H-4
IC2505		Q3007	B-4	TPH24	H-5
IC2506		Q3008	C-3	TPH25	H-5
IC2507		Q3009	C-4	TPH26	H-5
IC2811		Q3010	C-4	TPH27	H-4
IC2812		Q3020	G-3	TPH28	H-4
TP				TPH29	H-3
				TPH30	H-4
				TPH31	H-6
TRANSISTOR		TPH01	D-2	TPH33	H-4
		TPH02	E-2	TPH35	G-4
		TPH03	B-1	TPH36	G-4
		TPH04	B-1	TPH37	B-3
		TPH05	B-1	TPH38	B-3
		TPH06	C-1	TPH72	H-3
		TPH07	C-1	TPH73	E-1
		TPH08	C-1	TPH74	F-2
		TPH09	C-1	TPH75	E-2
		TPH10	C-1	TPH76	F-2
		TPH11	C-1	TPH77	D-1
		TPH12	C-1	TPH78	D-1
		TPH13	C-1		
		TPH14	D-1		
		TPH15	D-1		
		TPH17	D-1		
		TPH18	F-1		
		TPH19	G-3		

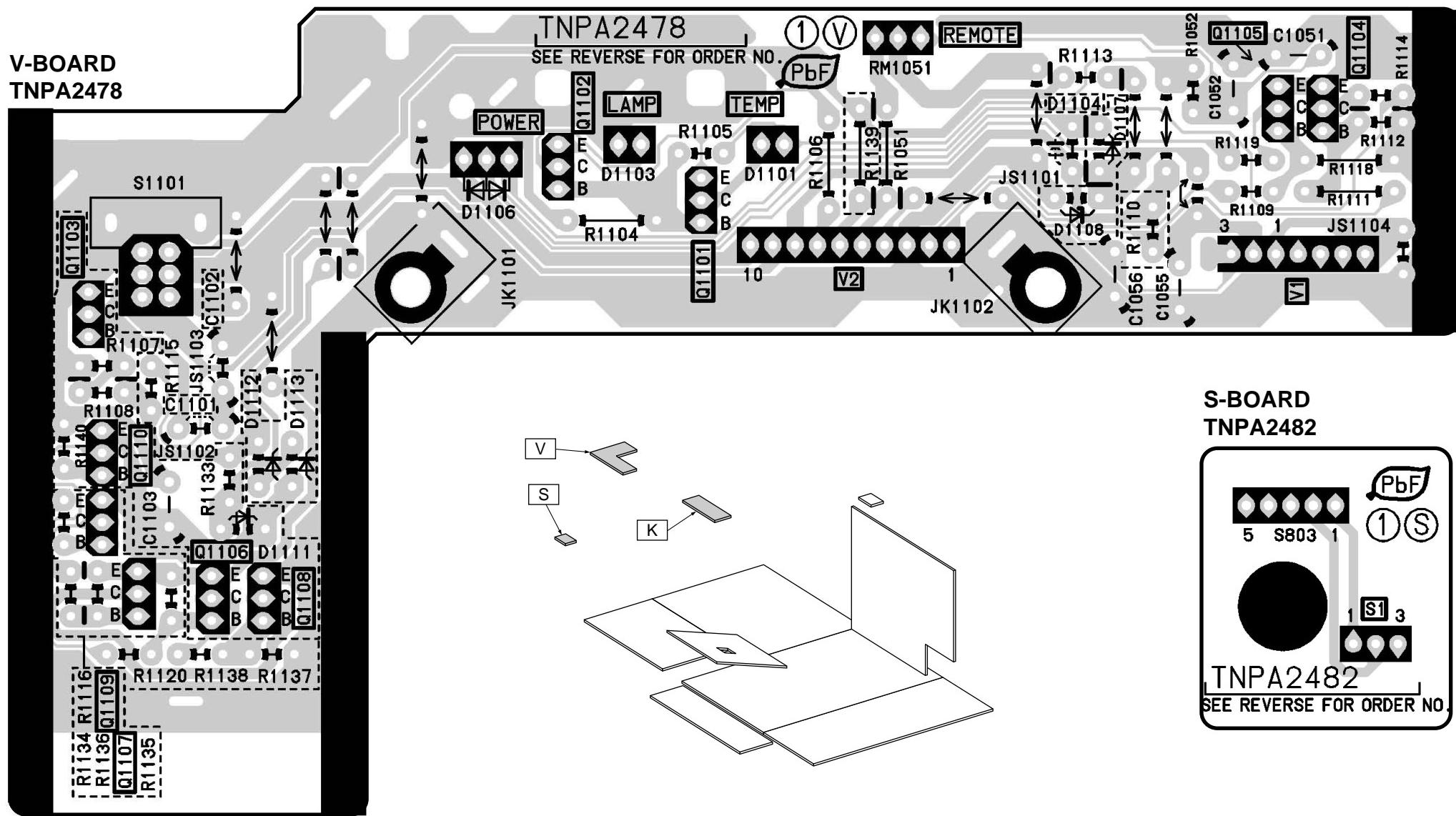
Parts Location

H-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC2401	C-2	Q2403	C-3
IC2402	C-2	Q2405	C-2
IC2451	C-3	Q2500	F-6
IC2501	H-5	Q2502	F-5
IC2502	D-5	Q2504	F-5
IC3003	C-3	Q2510	F-6
IC3004	C-2	Q2512	F-5
		Q2513	E-5
		Q2514	E-4
		Q3002	E-1
		Q3013	C-3
		Q3014	D-2
		Q3015	D-2
		Q3016	D-3
		Q3017	D-2
		Q3018	D-2
		Q3019	D-3

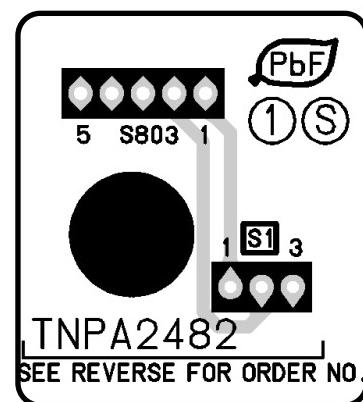
K-BOARD
TNPA2479



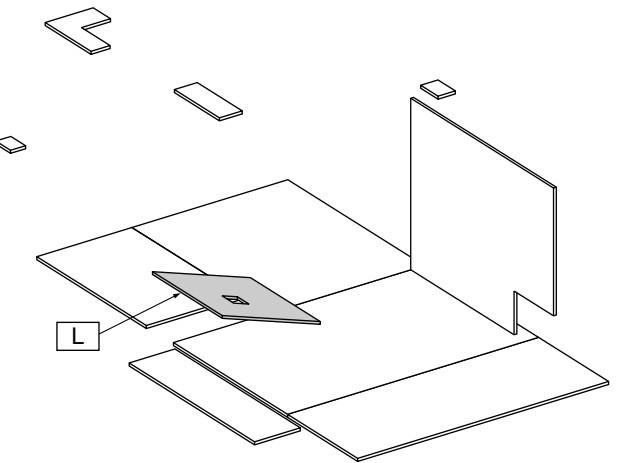
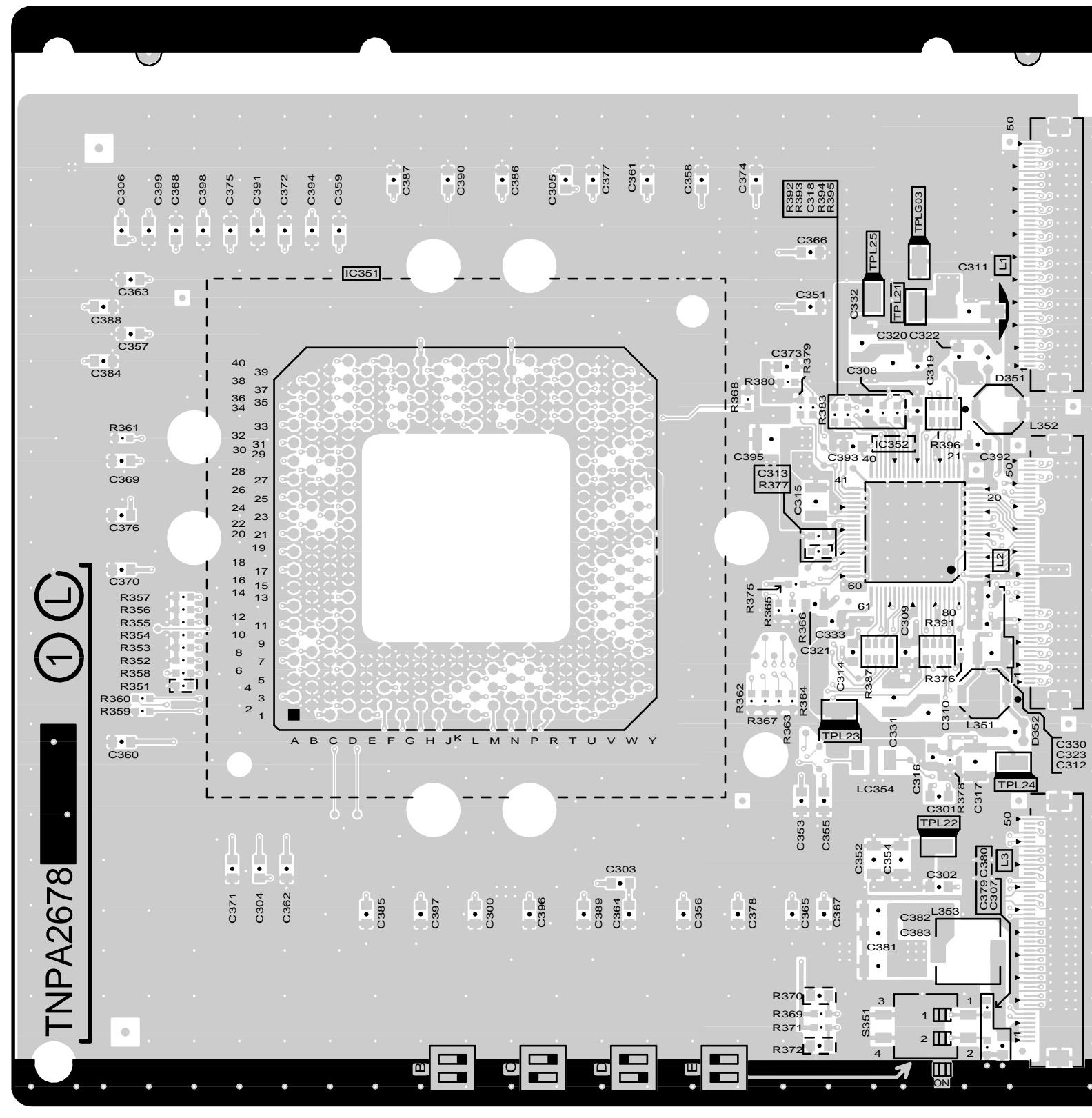
V-BOARD
TNPA2478



S-BOARD
TNPA2482



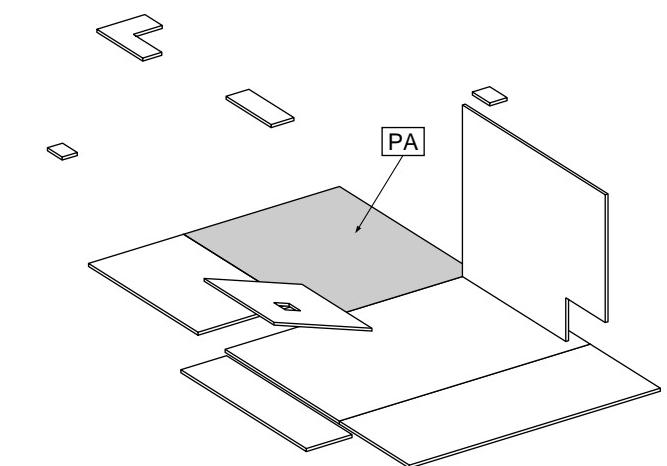
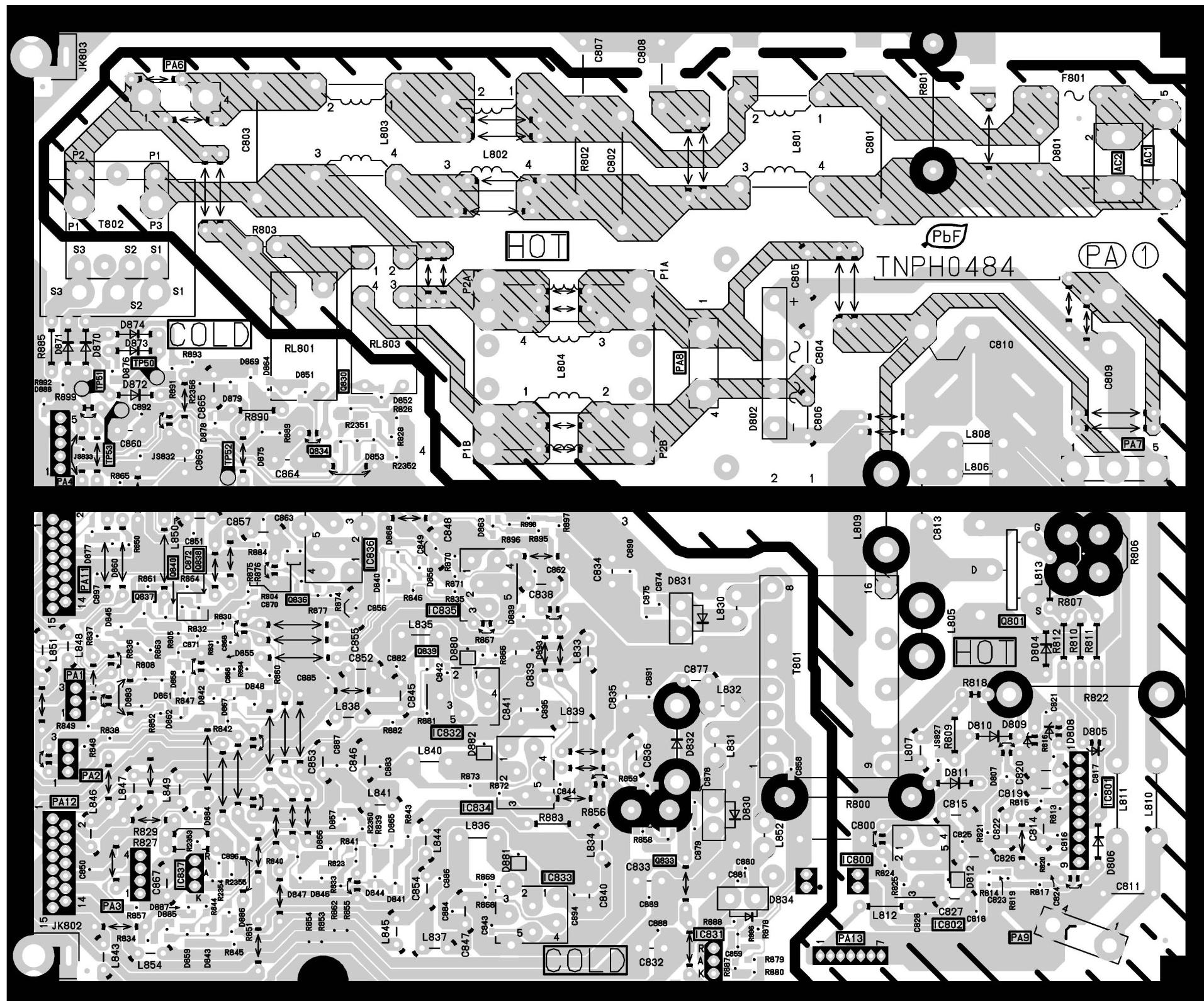
L-BOARD
TXN/L10GUV



Parts Location

L-BOARD			
IC	TP		
IC351 IC352	C-5 E-4	TPL21 TPL22 TPL23 TPL24 TPL25 TPLG03	F-5 F-2 E-3 F-2 E-5 F-5

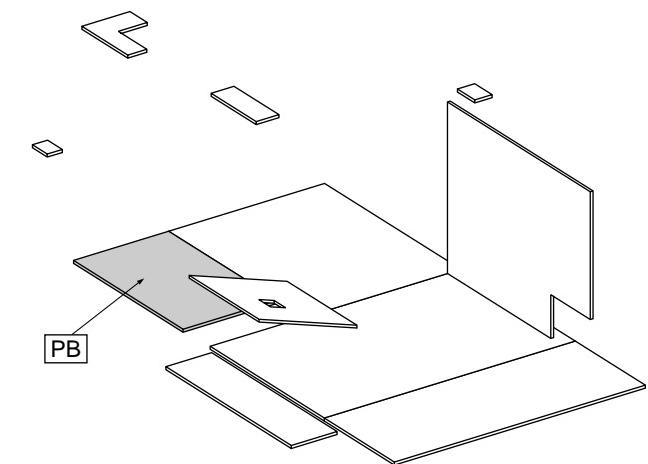
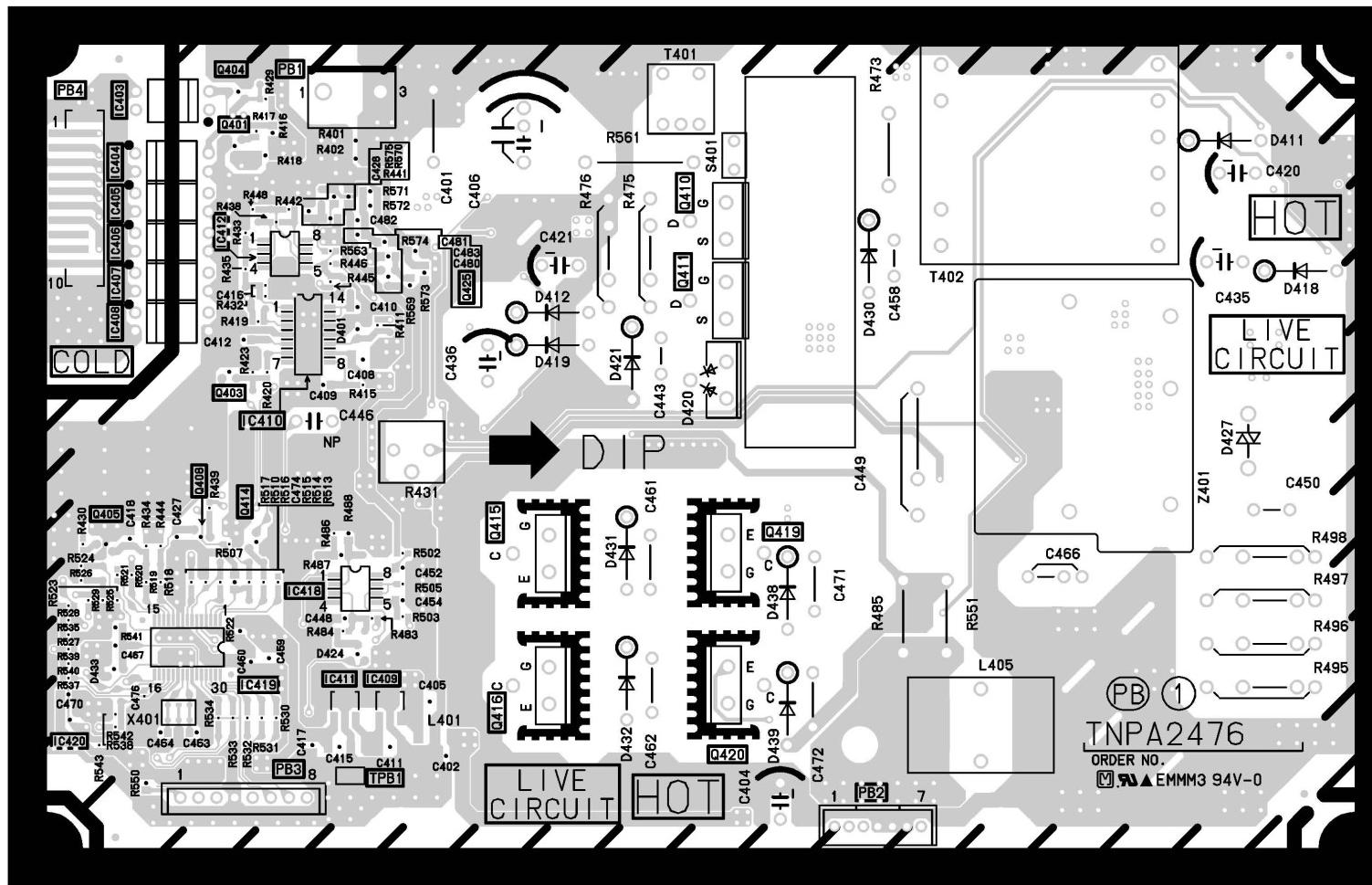
PA-BOARD
TNPH0484



Parts Location

PA-BOARD	
IC	TRANSISTOR
IC800	Q801 F-3
IC801	Q830 C-4
IC802	Q833 D-2
IC831	Q834 B-4
IC832	Q836 B-3
IC833	Q837 A-3
IC834	Q838 B-3
IC835	Q839 C-3
IC836	Q840 B-3
IC837	B-2
TP	
TP50	A-4
TP51	A-4
TP52	B-4
TP53	A-4
TP53	A-4

PB-BOARD(COMPONENT SIDE)
TNPA2476



Parts Location

PB-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC403	A-4	Q401	B-4
IC404	A-4	Q403	B-3
IC405	A-4	Q404	B-4
IC406	A-4	Q405	A-3
IC407	A-4	Q408	B-3
IC408	A-3	Q410	D-4
IC409	B-2	Q411	D-4
IC410	B-3	Q414	B-3
IC411	B-2	Q415	C-3
IC412	B-4	Q416	C-2
IC418	B-2	Q419	D-3
IC419	A-2	Q420	D-2
IC416C		Q425	C-4